

# monitoring the future occasional paper series

Paper 89

## DEMOGRAPHIC SUBGROUP TRENDS AMONG YOUNG ADULTS IN THE USE OF VARIOUS LICIT AND ILLICIT DRUGS 1988–2016

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### Monitoring the Future: A Continuing Study of the Lifestyles and Values of Youth

As its title suggests, this study is intended to assess the changing lifestyles, values, and preferences of American youth on a continuing basis. Each year since 1975, at least 13,000 high school seniors have participated in the annual survey, which is conducted in some 130 high schools nationwide. Since 1991, the study's annual surveys also have included surveys of similar nationally representative samples of eighthand tenth-grade students. In addition, subsamples of high school seniors from previously participating classes receive follow-up questionnaires by mail each year.

This Occasional Paper Series is intended to disseminate a variety of products from the study, including pre-publication (and somewhat more detailed) versions of journal articles, other substantive articles, and methodological papers.

A full listing of occasional papers and other study reports is available on the study's website, <a href="www.monitoringthefuture.org">www.monitoringthefuture.org</a>. The website contains a complete listing of all publications from the study, the abstracts or full text of many of these publications, and recent press releases.

The mailing address of Monitoring the Future is Institute for Social Research, The University of Michigan, P.O.Box 1248, Ann Arbor, MI 48106.

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### DEMOGRAPHIC SUBGROUP TRENDS AMONG YOUNG ADULTS IN THE USE OF VARIOUS LICIT AND ILLICIT DRUGS 1988-2016

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#### INTRODUCTION

This occasional paper presents subgroup findings from the Monitoring the Future (MTF) study on levels of, and trends in, the use of a number of substances for nationally representative samples of high school graduates ages 19–30. The data have been gathered in a series of follow-up surveys of representative subsamples of high school seniors who were first surveyed in 12<sup>th</sup> grade as part of the MTF study. Therefore, the universe being described omits people who did not complete high school—between 8 and 15% of each age group, with the most recent class cohorts closer to the bottom of that range. Surveys of the graduating cohorts of high school seniors started in 1976 and have continued with each graduating class since. Data were first available for the 19–22 age group in 1980 and for the older age groups in subsequent years, as the tables and figures in this occasional paper indicate.

The general epidemiological findings from these samples are discussed in *Volume II* of the annual monograph series.<sup>2</sup> The subgroup trends shown in the current occasional paper complement the last section of Chapter 5 (Trends in Drug Use in Early and Middle Adulthood) of that monograph by presenting the trend data for young adult subgroups in both graphic and tabular form. The results are described and discussed in Chapter 5, but the extensive set of tables and figures is provided here for the reader who wishes to view the figures and the underlying numerical values.

Three demographic dimensions are differentiated: gender, region of the country, and population density. Gender includes trends for males and females; region describes trends for each of the four major regions defined by the U.S. Census<sup>3</sup>; and population density differentiates trends for five levels of community size.<sup>4</sup>

The Table of Contents and List of Figures in this occasional paper contain links to the content and figures herein. Following each figure is a table giving the numerical values associated with each trend line in that figure.

<sup>&</sup>lt;sup>1</sup>U.S. Census Bureau. (various years). Current population reports, Series P-20, [various numbers]. Washington, DC: U.S. Government Printing Office. Available at http://www.census.gov/cps/data/cpstablecreator.html

<sup>&</sup>lt;sup>2</sup>Schulenberg, J. E., Johnston, L. D, O'Malley, P. M., Bachman, J. G., Miech, R. A., & Patrick, M.E. (2017). <u>Monitoring the Future national survey results on drug use</u>, 1975-2016. Volume II: <u>College students and adults ages 19-55</u>. Ann Arbor: Institute for Social Research, The University of Michigan.

<sup>&</sup>lt;sup>3</sup>Beginning in 1987, a question about state of residence was added to all follow-up questionnaires, permitting trend data to be calculated for the four regions of the country since then. The four regions are: Northeast, Midwest, South, and West.

<sup>&</sup>lt;sup>4</sup>Based on the respondent's answer to the question, "During March of this year did you live mostly ...," five levels of population density are distinguished: in a very large city (over 500,000 people); in a large city (100,000 to 500,000); in a medium-sized city (50,000 to 100,000); in a small city or town (under 50,000); and on a farm/in the country." Data on the suburbs of cities of each size were combined with the corresponding city.

FIGURE 1
Trends in Annual Any Illicit Drug Use by Gender (4 yr. Age Groupings)



| 15-16 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-18 | | 15-1

FIGURE 2
Trends in Any Illicit Drug Use by Region (1-10 yrs, Past High School)

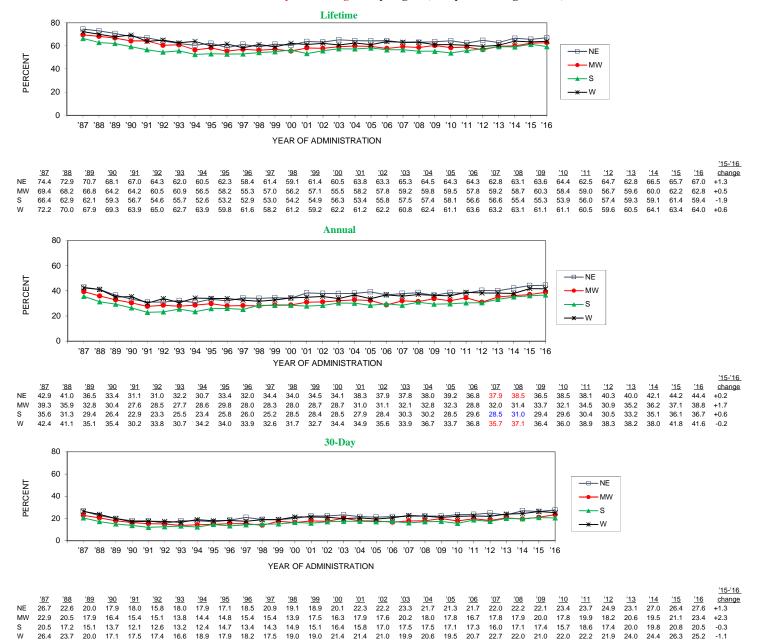


FIGURE 3
Trends in Annual Any Illicit Drug Use by Urbanicity (4 yr. Age Groups)

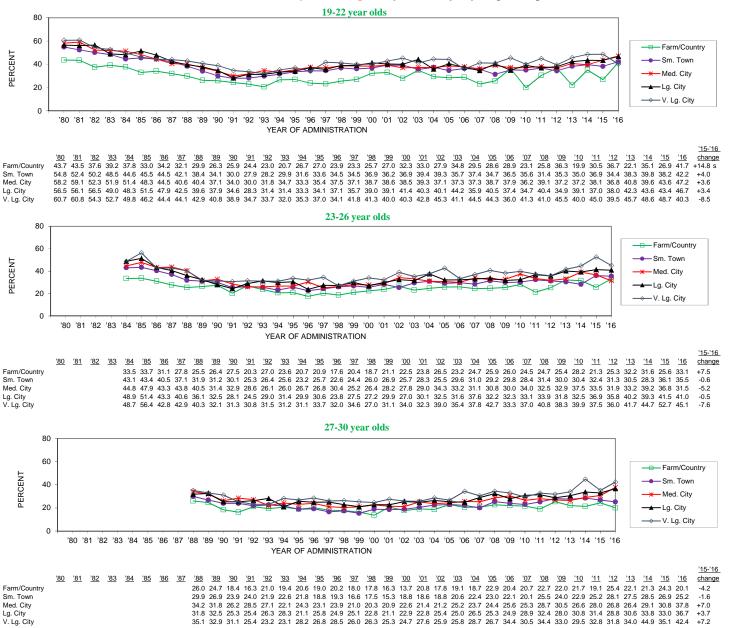
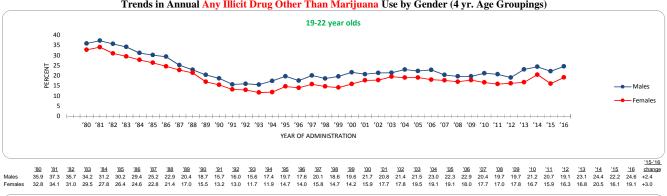
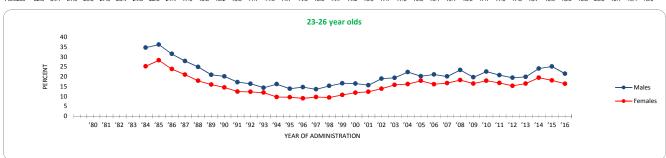
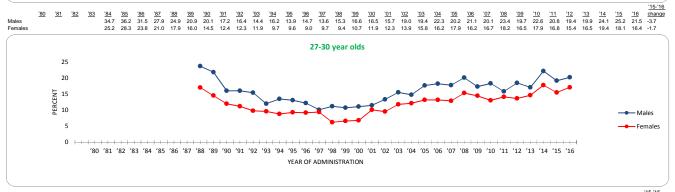


FIGURE 4
Trends in Annual Any Illicit Drug Other Than Marijuana Use by Gender (4 yr. Age Groupings)







| 15-16 | 16-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-18 | 18-1

FIGURE 5
Trends in Any Illicit Drug Other Than Marijuana Use by Region (1-10 yrs. Past High School)

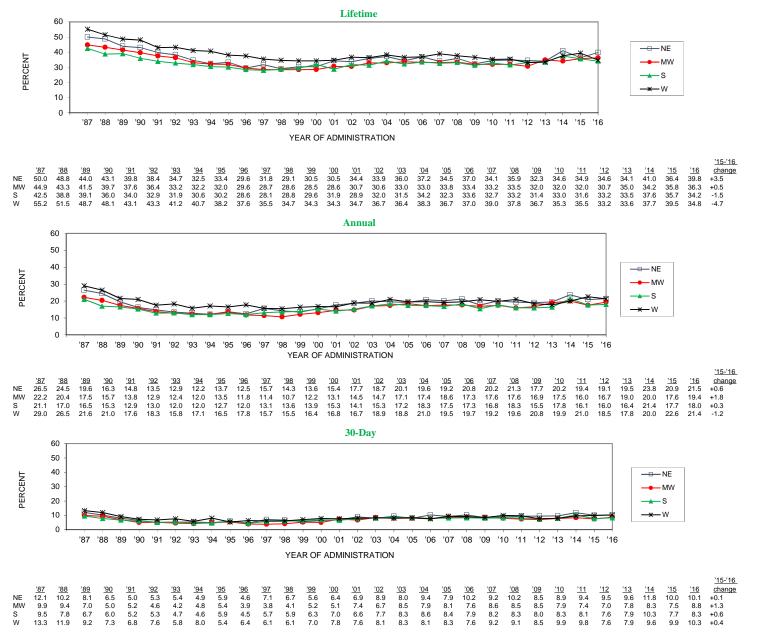


FIGURE 6
Trends in Annual Any Illicit Drug Other Than Marijuana Use by Urbanicity (4 yr. Age Groups)

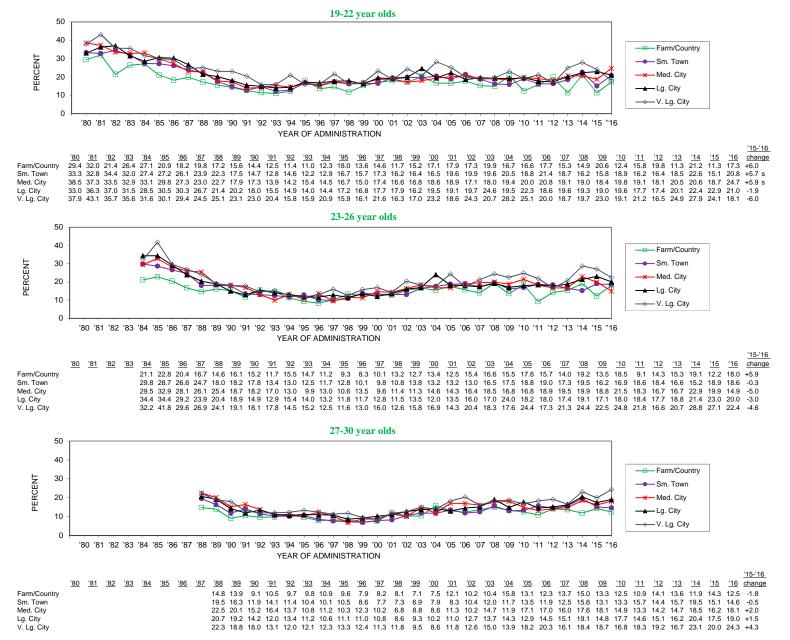
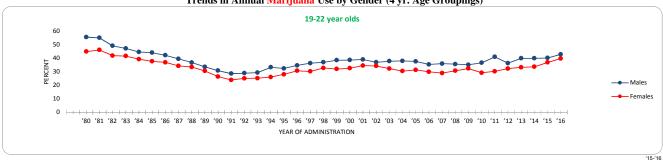
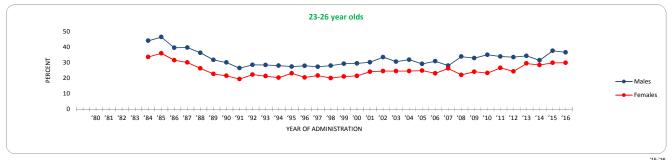


FIGURE 7
Trends in Annual Marijuana Use by Gender (4 yr. Age Groupings)





Males

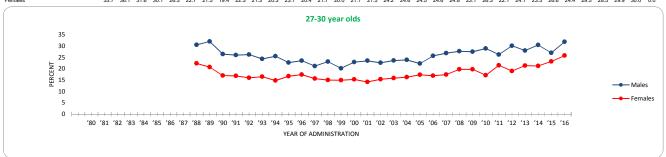
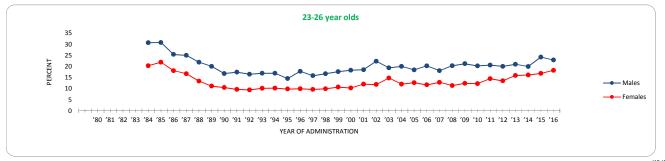
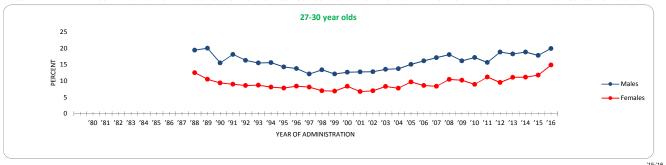


FIGURE 8
Trends in 30-Day Marijuana Use by Gender (4 yr. Age Groupings)

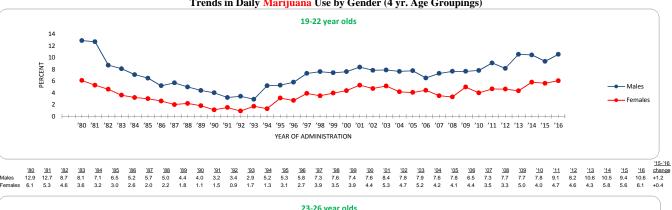


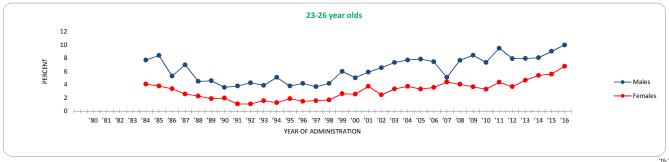




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FIGURE 9
Trends in Daily Marijuana Use by Gender (4 yr. Age Groupings)





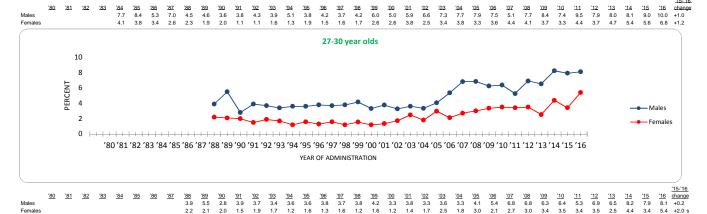


FIGURE 10
Trends in Marijuana Use by Region (1-10 yrs. Past High School)

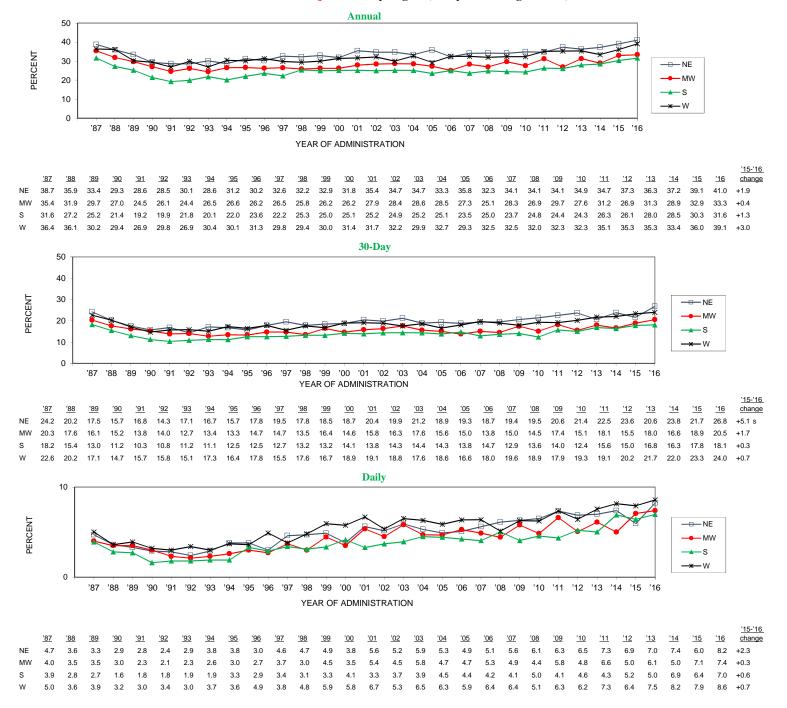


FIGURE 11
Trends in Annual Marijuana Use by Urbanicity (4 yr. Age Groups)

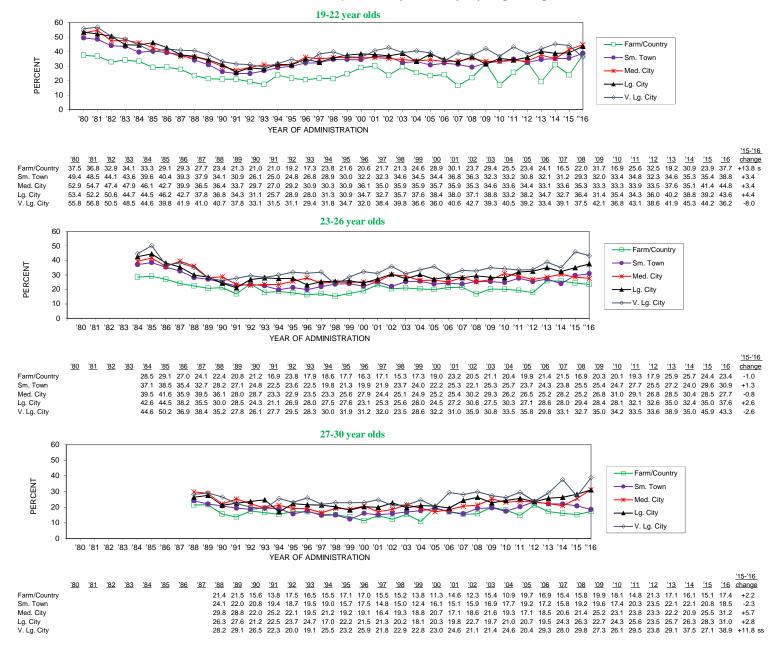
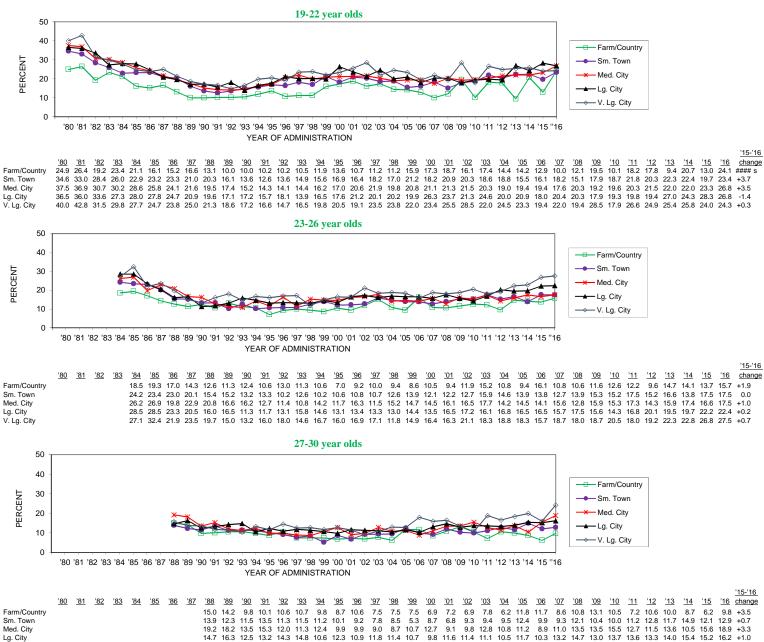


FIGURE 12 Trends in Thirty-Day Marijuana Use by Urbanicity (4 yr. Age Groups)



15.7 13.8 13.6 11.8 11.5 10.4 13.3 11.7 14.5 12.5 12.7 11.7 12.7 11.5 9.1 10.9 13.0 12.8 17.9 15.9 16.5 13.5 10.7 18.9 16.5 18.4 19.9 16.0 24.2 +8.3 s

Lg. City V. Lg. City

FIGURE 13
Trends in Daily Marijuana Use by Urbanicity (4 yr. Age Groups)

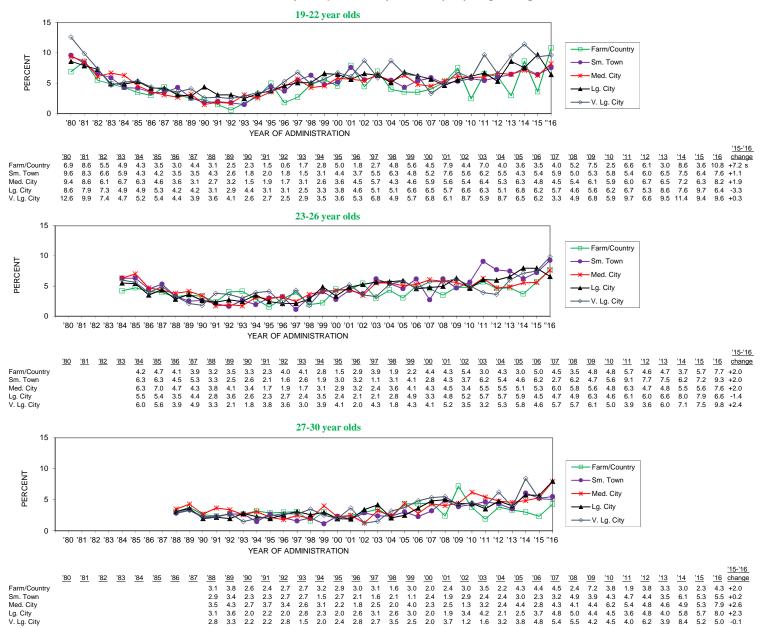
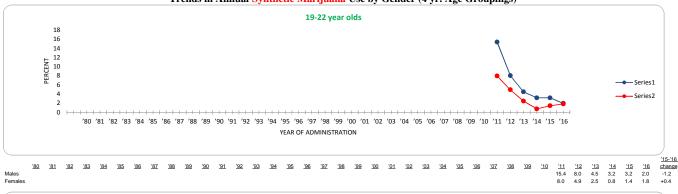
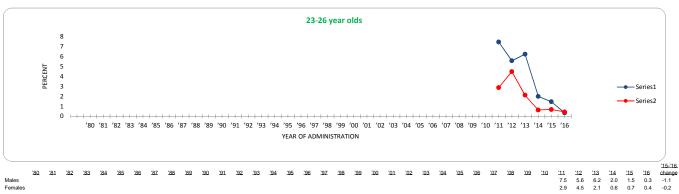


FIGURE 14
Trends in Annual Synthetic Marijuana Use by Gender (4 yr. Age Groupings)





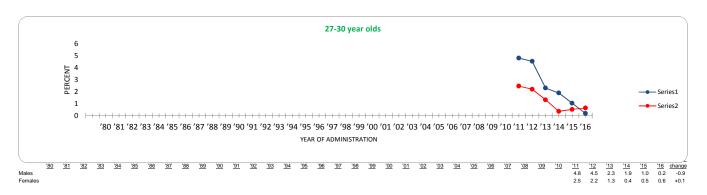


FIGURE 15
Trends in Synthetic Marijuana Use by Region (1-10 yrs. Past High School)

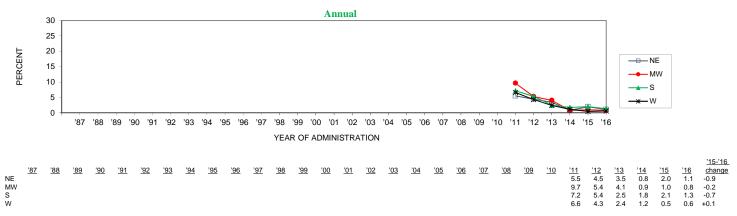


FIGURE 16
Trends in Annual Synthetic Marijuana Use by Urbanicity (4 yr. Age Groups)

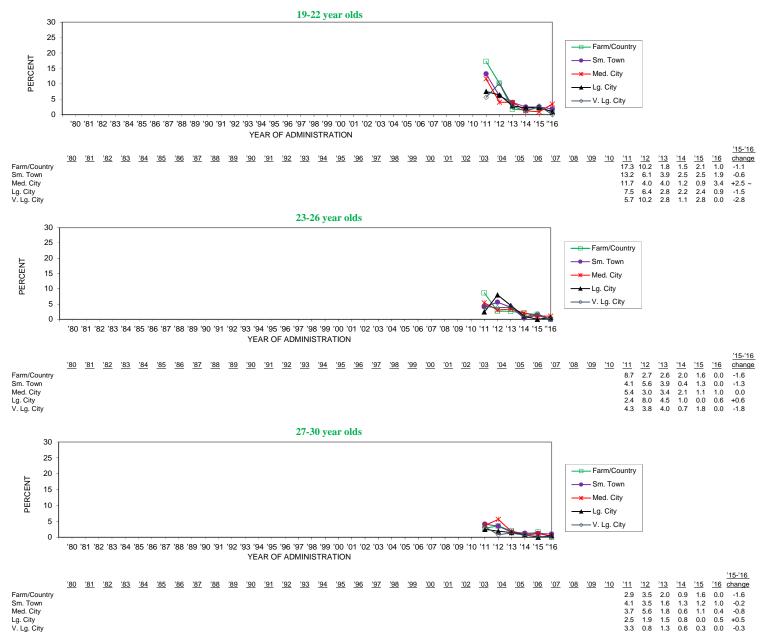
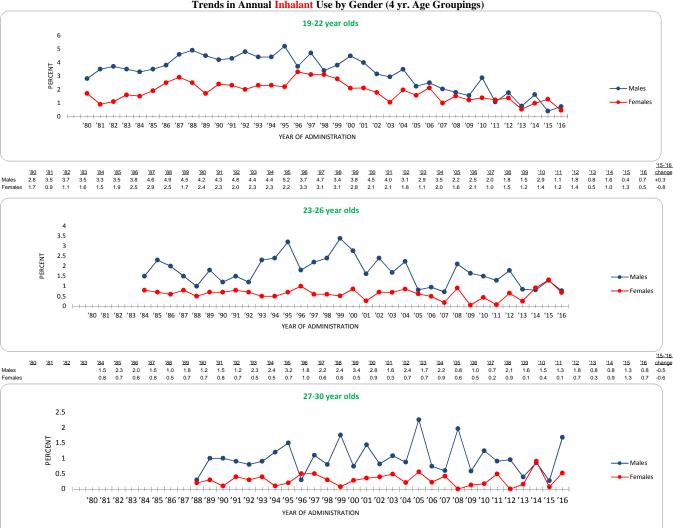


FIGURE 17
Trends in Annual Inhalant Use by Gender (4 yr. Age Groupings)



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FIGURE 18
Trends in Inhalant Use by Region (1-10 yrs. Past High School)

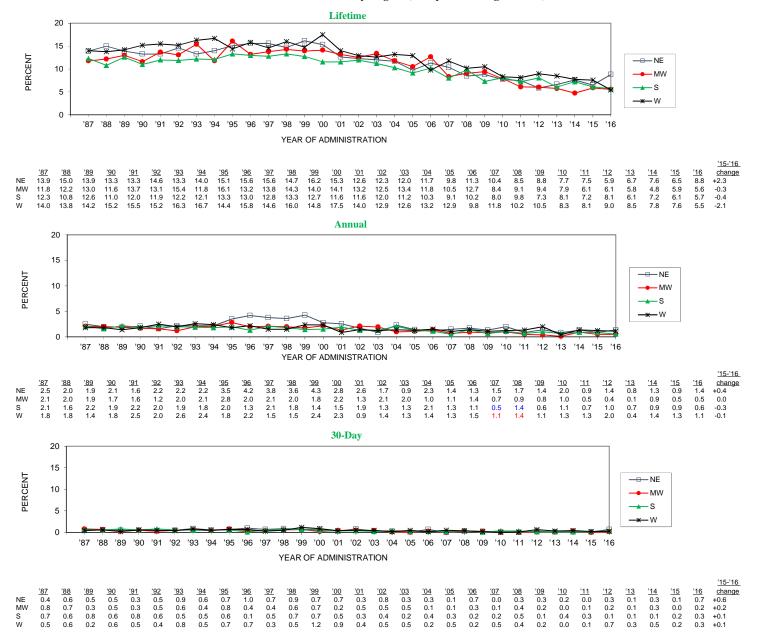


FIGURE 19
Trends in Annual Inhalant Use by Urbanicity (4 yr. Age Groups)

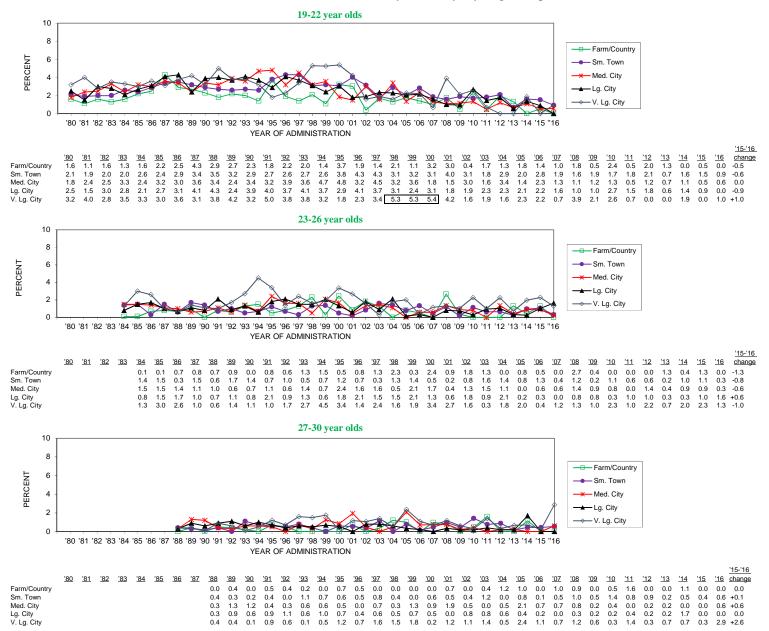


FIGURE 20
Trends in Hallucinogen Use by Region (1-10 yrs. Past High School)

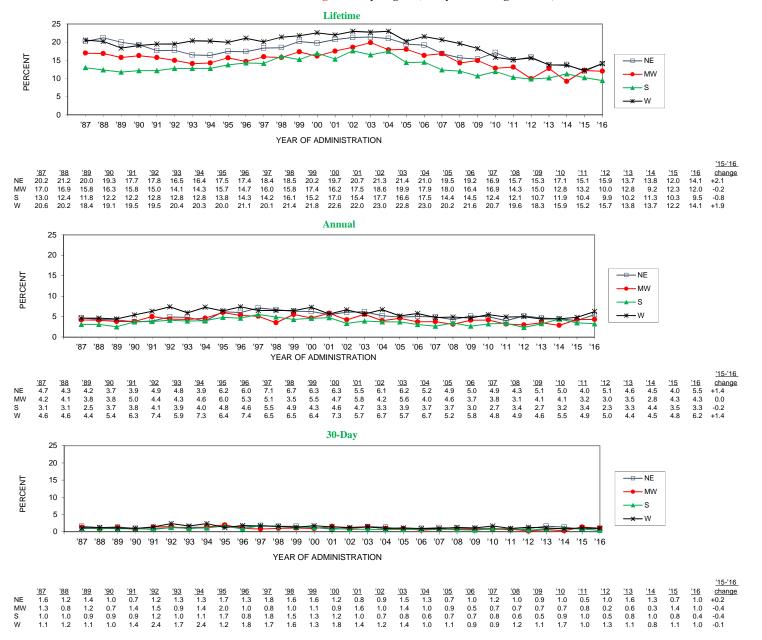


FIGURE 21
Trends in Annual Hallucinogen Use by Urbanicity (4 yr. Age Groups)

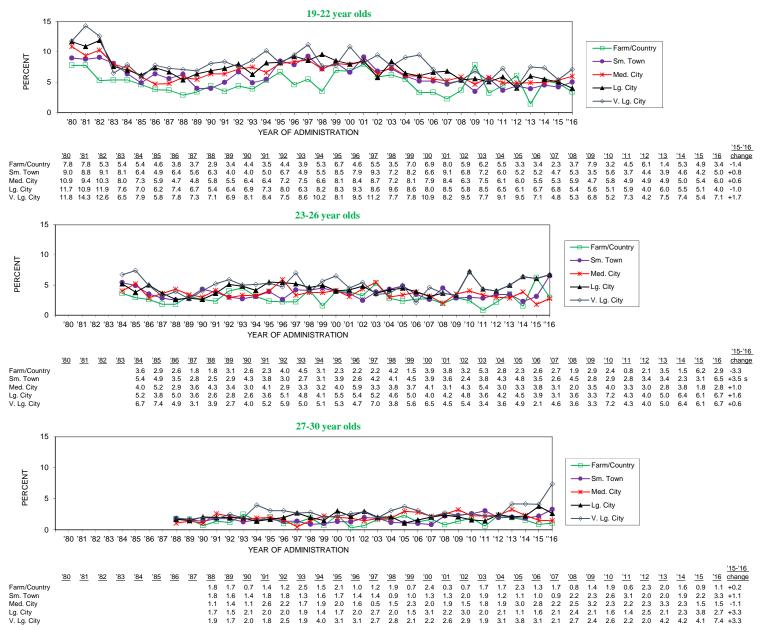
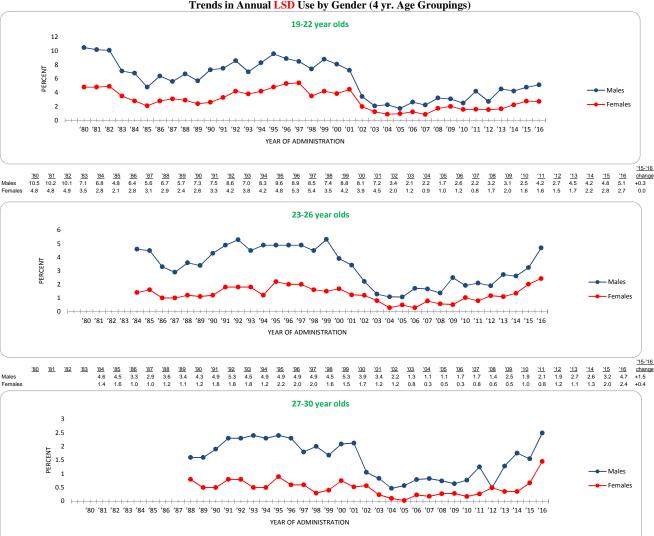


FIGURE 22
Trends in Annual LSD Use by Gender (4 yr. Age Groupings)



| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-15-| 15-1

FIGURE 23
Trends in LSD Use by Region (1-10 yrs. Past High School)

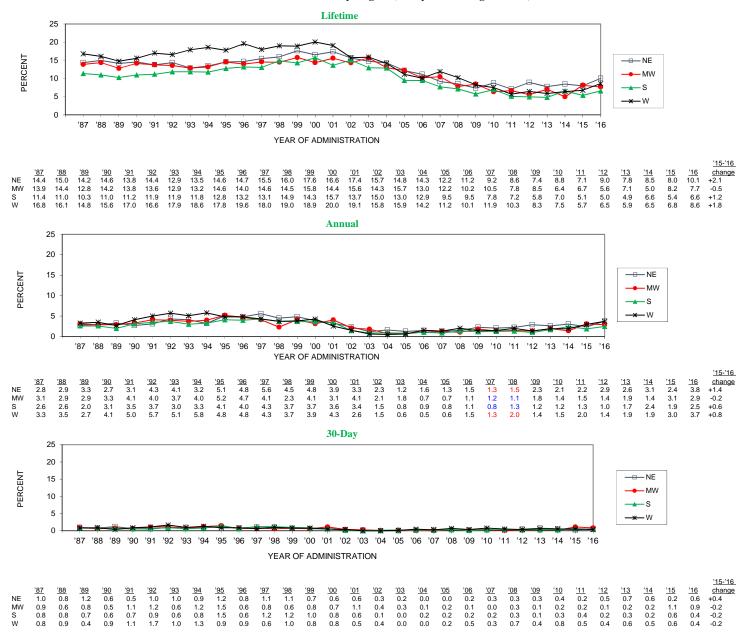


FIGURE 24
Trends in Annual LSD Use by Urbanicity (4 yr. Age Groups)

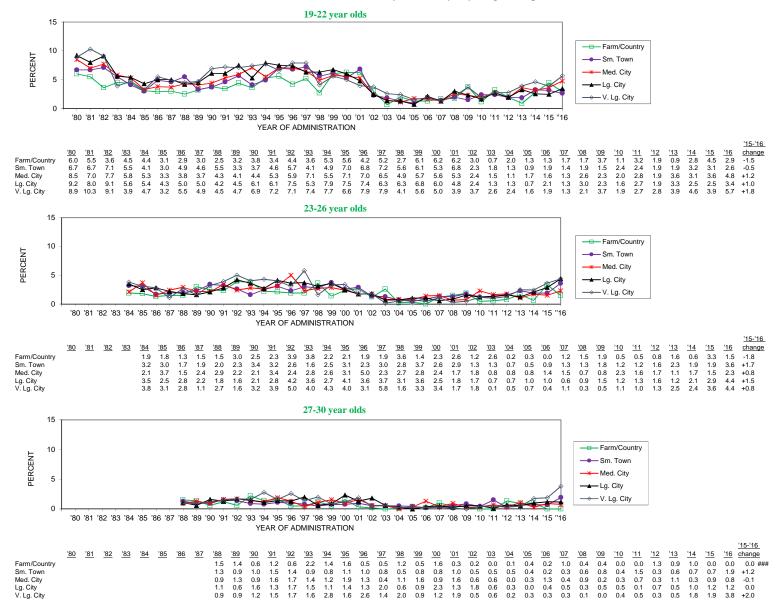
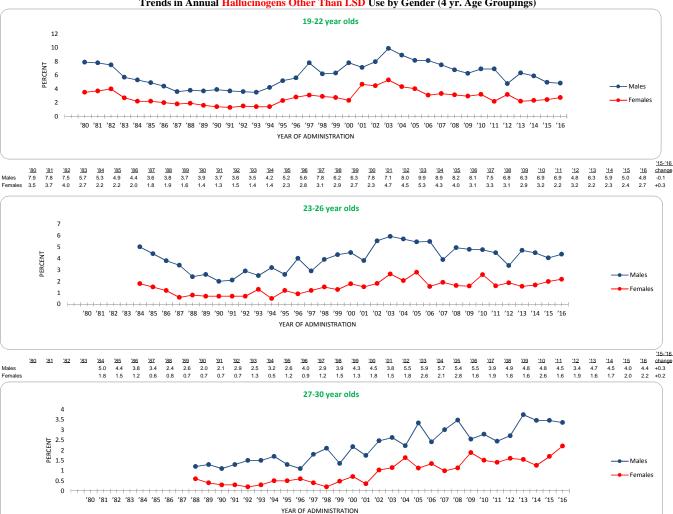


FIGURE 25
Trends in Annual Hallucinogens Other Than LSD Use by Gender (4 yr. Age Groupings)



| Name |

FIGURE 26
Trends in Hallucinogens Other Than LSD Use by Region (1-10 yrs. Past High School)

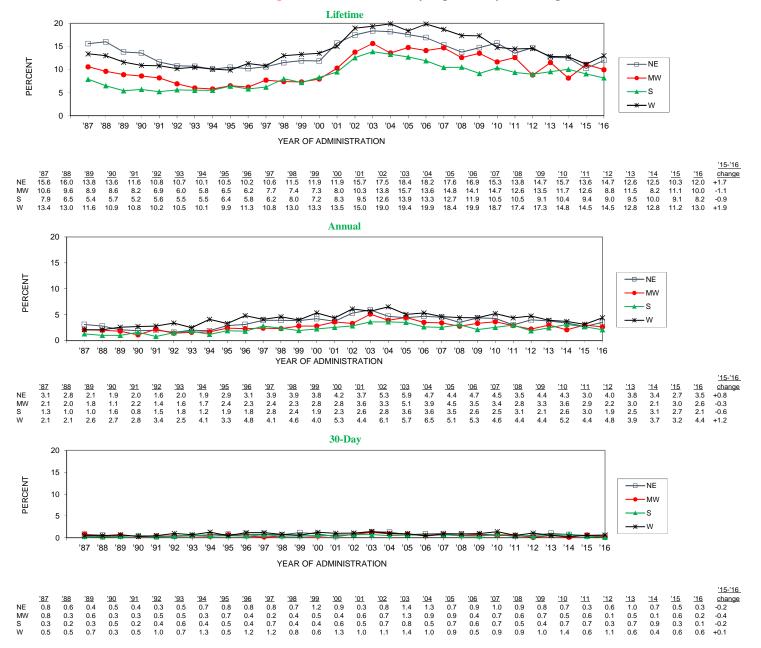


FIGURE 27
Trends in Annual Hallucinogen Other Than LSD Use by Urbanicity (4 yr. Age Groups)

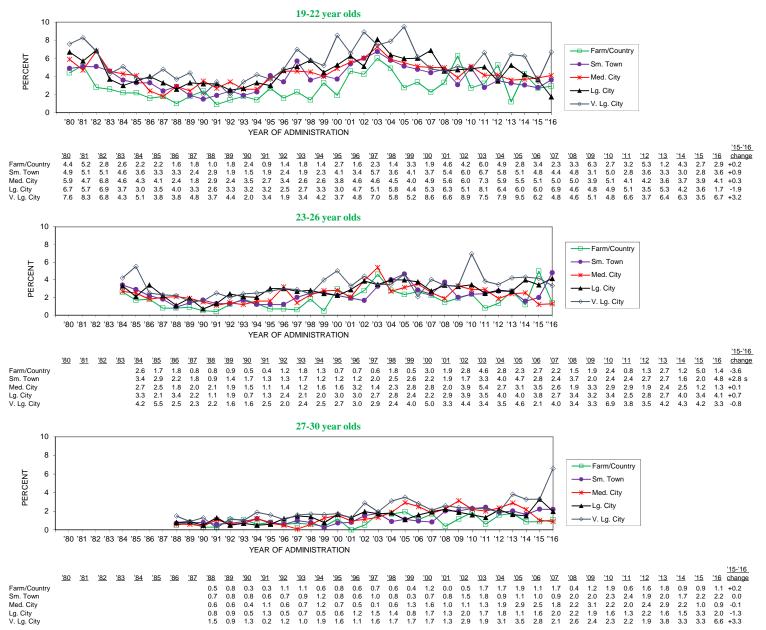


FIGURE 28
Trends in Annual Ecstasy (MDMA) Use by Gender (4 yr. Age Groupings)

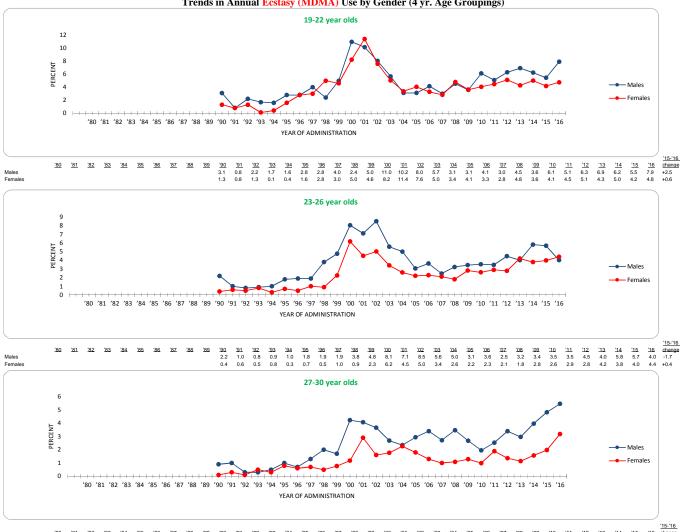


FIGURE 29
Trends in Ecstasy (MDMA) Use by Region (1-10 yrs. Past High School)

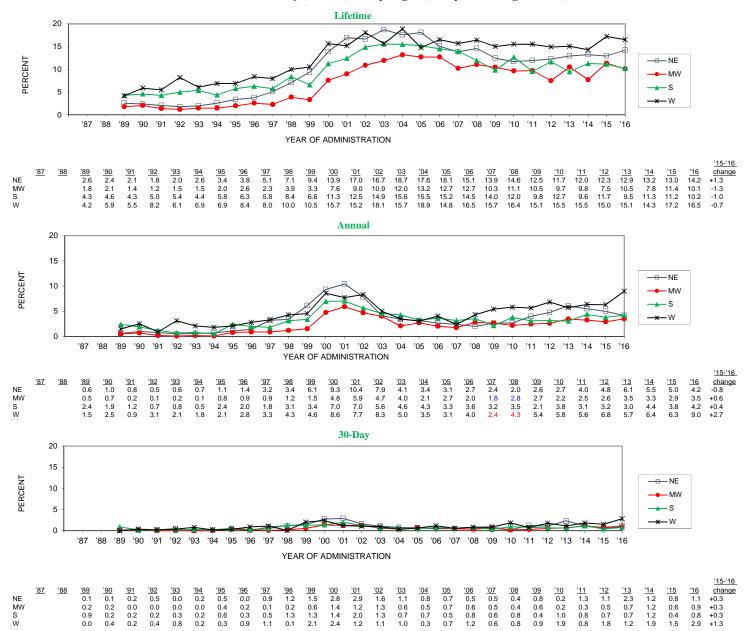
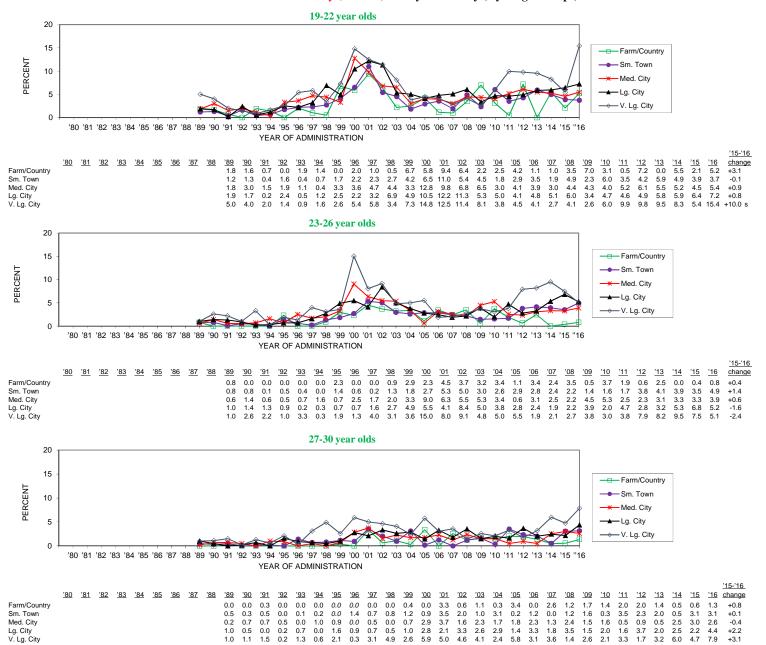
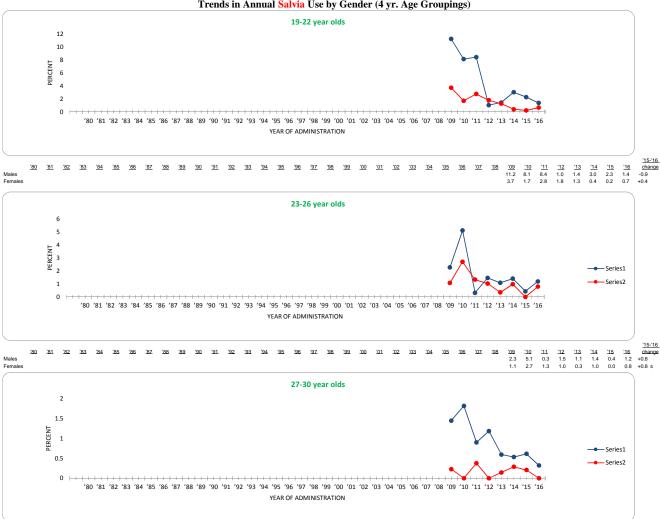


FIGURE 30
Trends in Annual Ecstasy (MDMA) Use by Urbanicity (4 yr. Age Groups)



Note: Zeros in italics indicate a prevalence rate of less than 0.05%, but greater than true zero

FIGURE 31
Trends in Annual Salvia Use by Gender (4 yr. Age Groupings)



15:16.

180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 change

1.5 1.6 0.9 1.2 0.6 0.5 0.6 0.3 -0.3

Females

0.2 0.0 0.4 0.0 0.1 0.3 0.2 0.0 -0.2

FIGURE 32 Trends in Salvia Use by Region (1-10 yrs. Past High School)

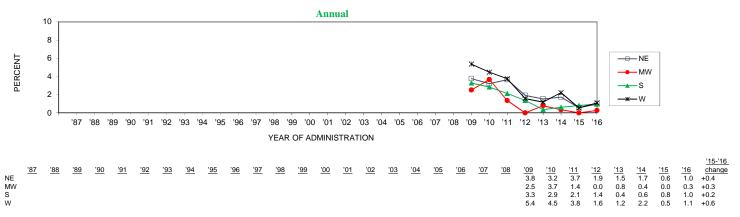
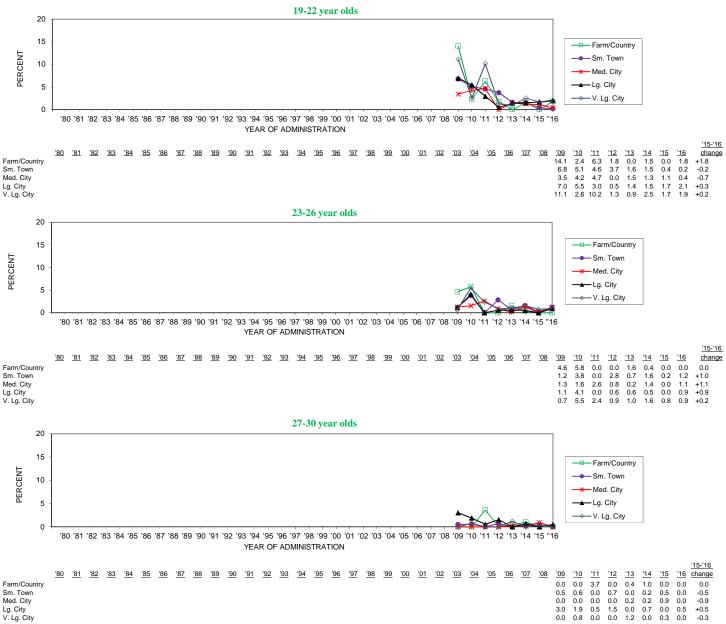
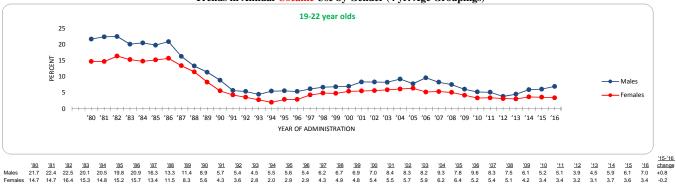


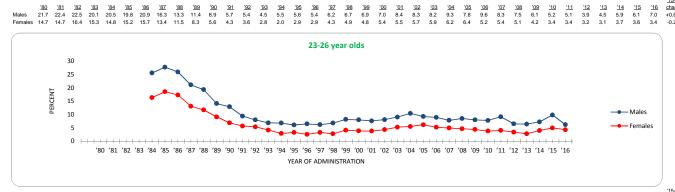
FIGURE 33
Trends in Annual Salvia Use by Urbanicity (4 yr. Age Groups)



Note: Zeros in italics indicate a prevalence rate of less than 0.05%, but greater than true zero.

FIGURE 34
Trends in Annual Cocaine Use by Gender (4 yr. Age Groupings)







																																					/	
																																						'15-'16
	'80	'81	'82	'83	'84	'85	'86	'87	'88	'89	'90	'91	'92	'93	'94	'95	'96	'97	'98	'99	'00	'01	'02	'03	'04	'05	'06	'07	'08	'09	'10	'11	'12	'13	'14	'15	'16	change
Males									18.3	15.7	11.5	8.9	9.8	6.8	8.3	6.4	5.9	5.0	6.2	5.4	5.5	5.5	6.6	7.4	6.1	7.7	7.7	6.6	8.1	7.4	6.0	5.0	5.8	4.8	7.6	6.9	5.7	-1.2
Females									10.4	8.8	7.0	5.0	4.6	4.0	3.6	3.2	3.1	3.3	2.0	2.4	1.3	2.5	2.5	3.6	3.2	3.3	3.2	3.8	3.3	3.6	3.2	2.2	2.5	2.6	3.1	2.9	3.7	+0.7

'80 '81 '82 '83 '84 '85 '86 '87 '88 '89 '90 '91 '92 '93 '94 '95 '96 '97 '98 '99 '00 '01 '02 '03 '04 '05 '06 '07 '08 '09 '10 '11 '12 '13 '14 '15 '16

YEAR OF ADMINISTRATION

0

FIGURE 35
Trends in Cocaine Use by Region (1-10 yrs. Past High School)

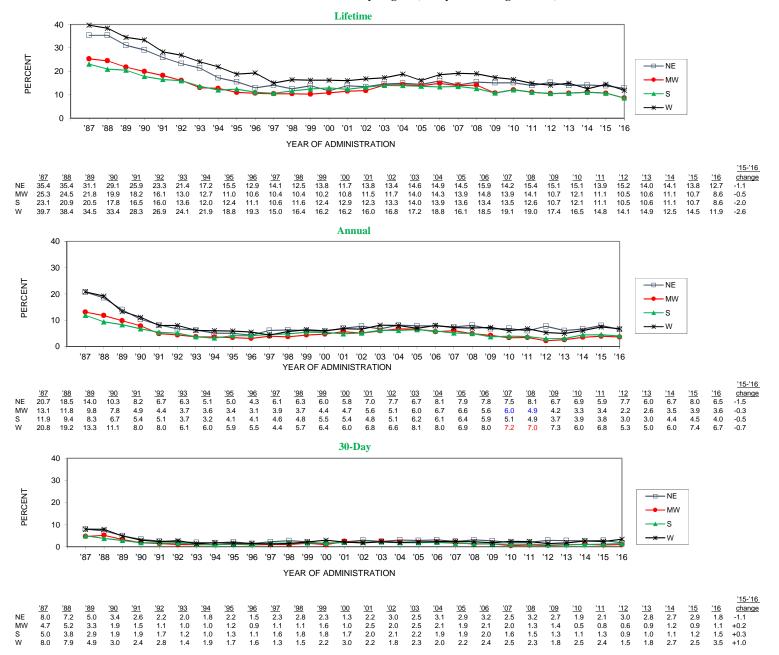


FIGURE 36
Trends in Annual Cocaine Use by Urbanicity (4 yr. Age Groups)

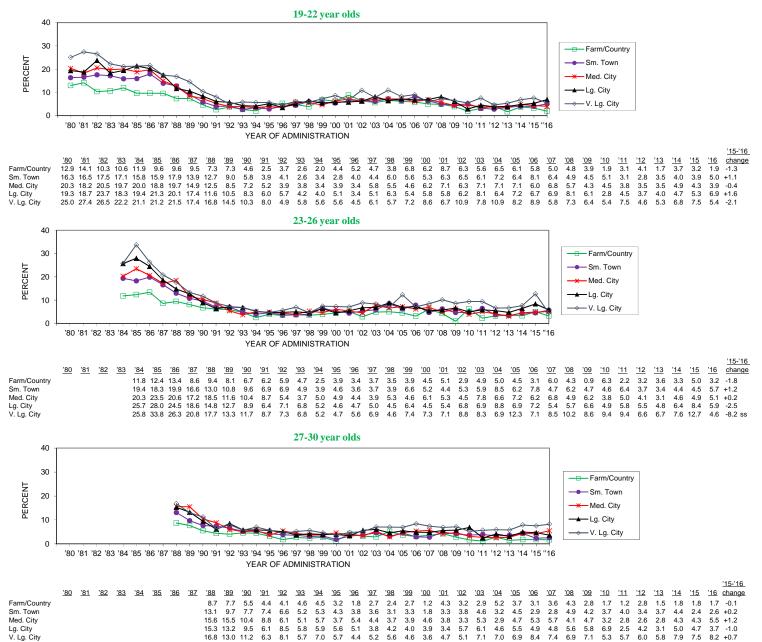
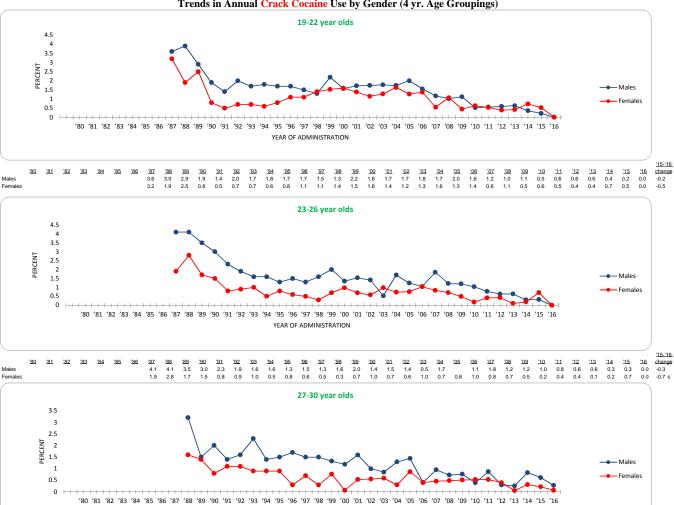


FIGURE 37 Trends in Annual Crack Cocaine Use by Gender (4 yr. Age Groupings)



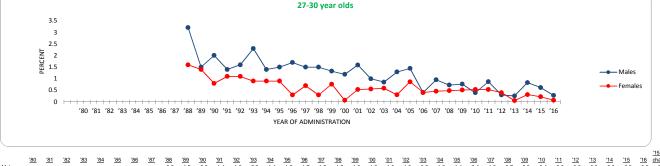


FIGURE 38
Trends in Crack Cocaine Use by Region (1-10 yrs. Past High School)

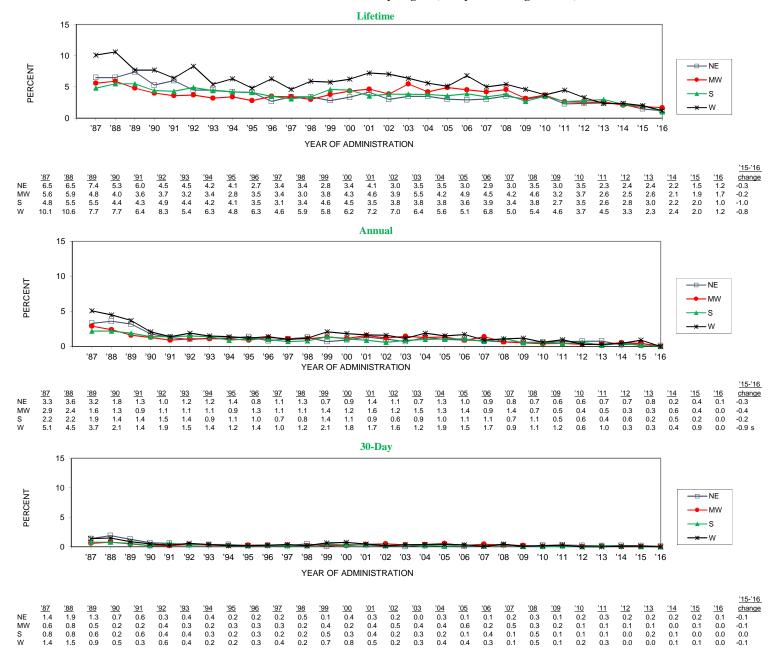


FIGURE 39
Trends in Annual Crack Cocaine Use by Urbanicity (4 yr. Age Groups)

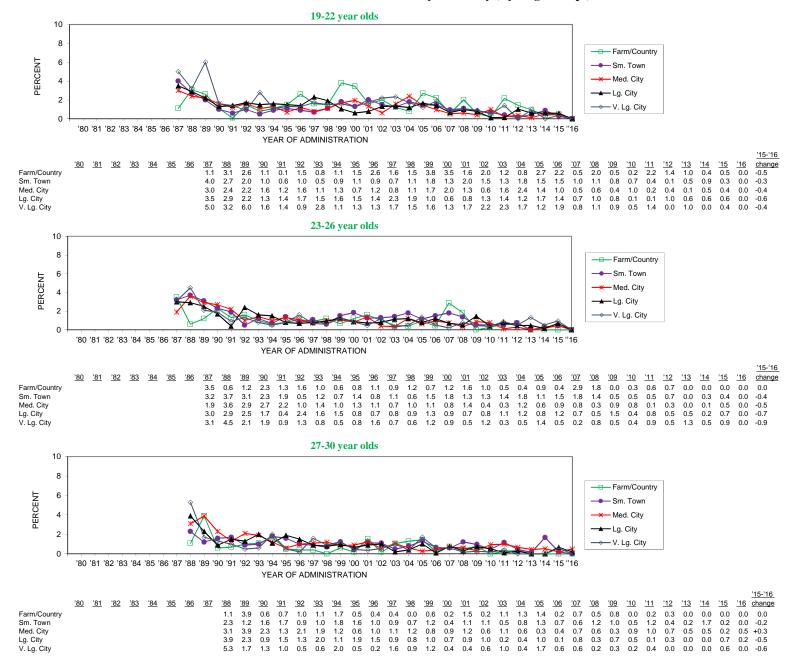
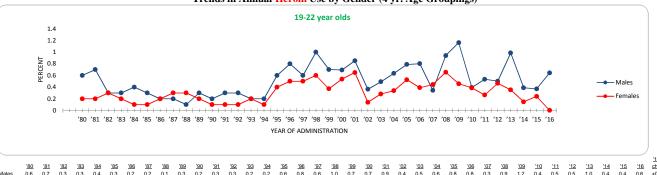
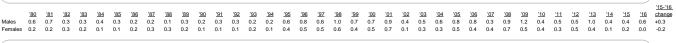
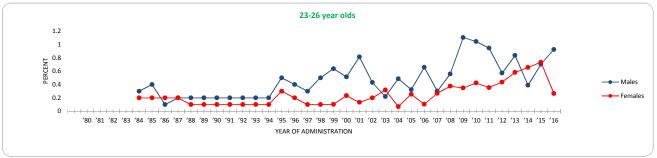


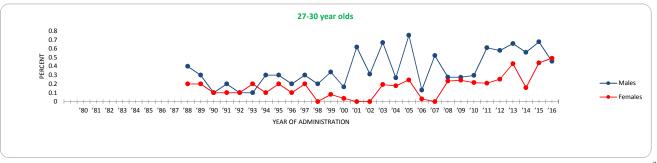
FIGURE 40 Trends in Annual Heroin Use by Gender (4 yr. Age Groupings)







																																						'15-'16
	'80	'81	'82	'83	'84	'85	'86	'87	'88	'89	'90	'91	'92	'93	'94	'95	'96	'97	'98	'99	'00	'01	'02	'03	'04	'05	'06	'07	'08	'09	'10	'11	'12	'13	'14	'15	'16	change
Males					0.3	0.4	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.4	0.3	0.5	0.6	0.5	8.0	0.4	0.2	0.5		0.7	0.3	0.6	1.1	1.0	0.9	0.6	8.0	0.4	0.7	0.9	+0.2
Females					0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.2	0.1	0.1	0.1	0.2	0.1	0.2	0.3	0.1	0.3	0.1	0.3	0.4	0.3	0.4	0.4	0.4	0.6	0.7	0.7	0.3	-0.5



<u>'80 '81 '82 '83 '84 '85 '86 '87</u> <u>'94</u> 0.3 0.1 <u>'95</u> 0.3 0.2 <u>'96</u> 0.2 0.1 <u>'98</u> 0.2 0.0 <u>'01</u> 0.6 0.0 0.3 0.0 <u>'03</u> 0.7 0.2 0.3 0.2 <u>'09</u> 0.3 0.2 <u>'10</u> 0.3 0.2 <u>'91</u> 0.2 0.1 <u>'92</u> 0.1 0.1 <u>'99</u> 0.3 0.1 0.2 0.0 Males Females

FIGURE 41
Trends in Heroin Use by Region (1-10 yrs. Past High School)

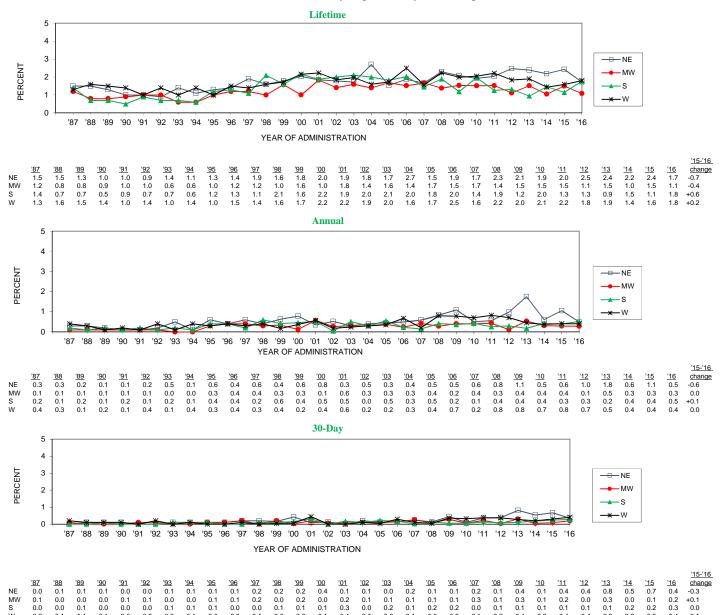


FIGURE 42
Trends in Annual Heroin Use by Urbanicity (4 yr. Age Groups)

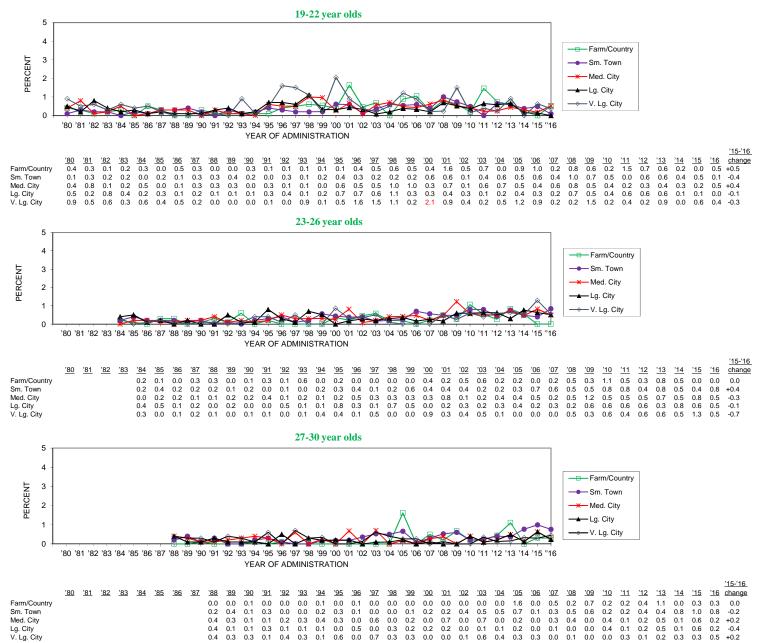
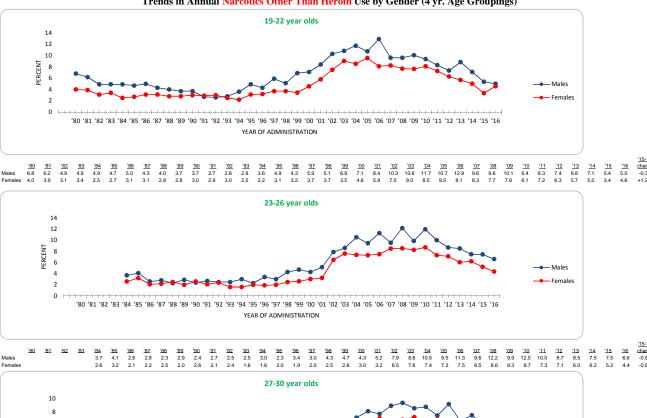
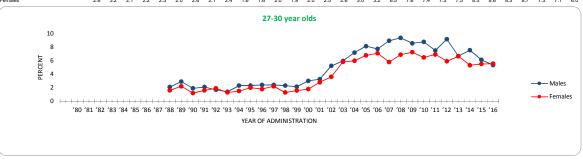


FIGURE 43
Trends in Annual Narcotics Other Than Heroin Use by Gender (4 yr. Age Groupings)





| 19-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-14 | 18-1

\* adjusted

FIGURE 44
Trends in Narcotics Other Than Heroin Use by Region (1-10 yrs. Past High School)

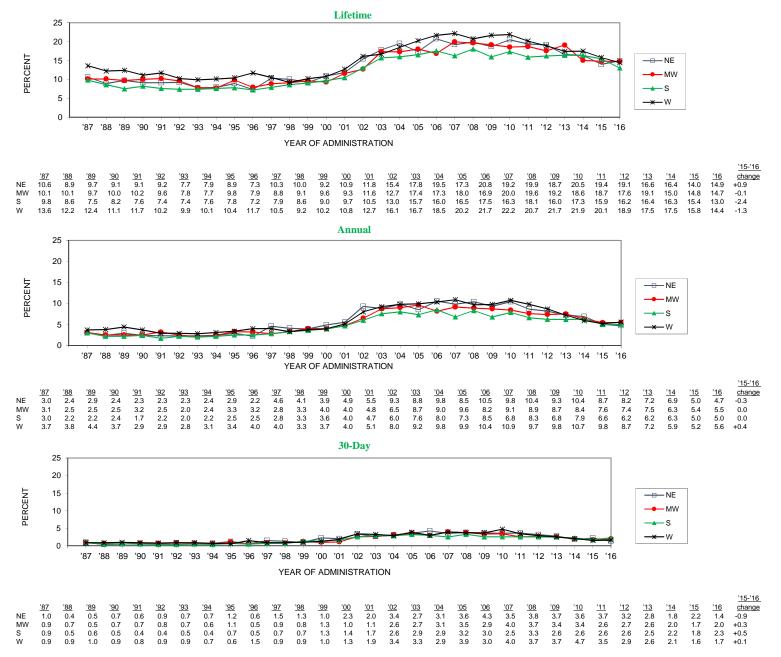
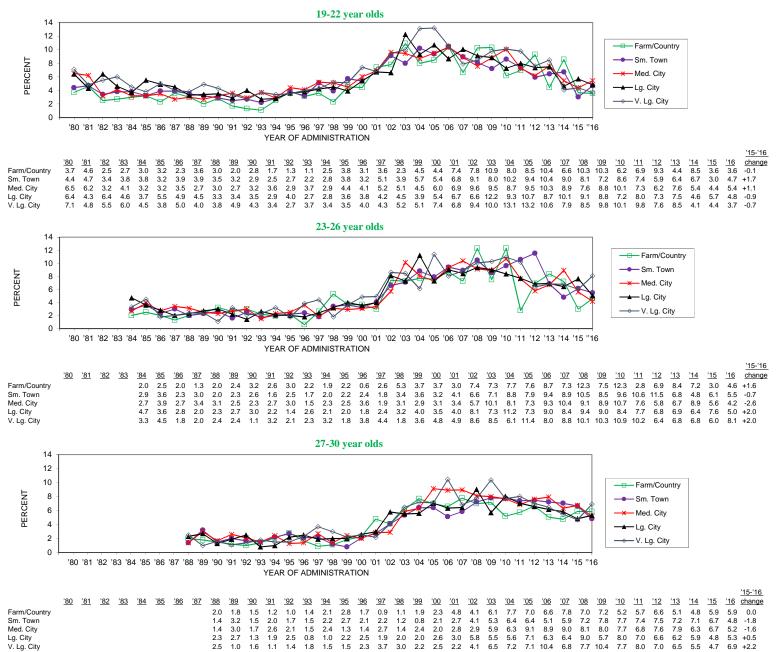
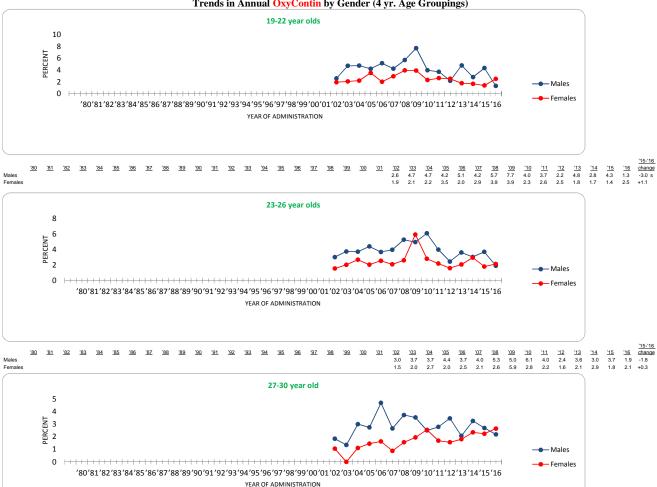


FIGURE 45
Trends in Annual Narcotics Other Than Heroin Use by Urbanicity (4 yr. Age Groups)



<sup>\*</sup> adjusted

FIGURE 46
Trends in Annual OxyContin by Gender (4 yr. Age Groupings)



																																						'15-'16
	'80	'81	'82	'83	'84	'85	'86	'87	'88	'89	'90	'91	'92	'93	'94	'95	'96	'97	'98	'99	'00	'01	'02	'03	'04	'05	'06	'07	'08	'09	'10	111	'12	'13	'14	'15	'16	change
Males																							1.8	1.3	3.0	2.7	4.7	2.6	3.7	3.5	2.5	2.8	3.5	2.1	3.2	2.7	2.2	-0.5
Female	s																						1.1	0.0	1.1	1.5	1.6	0.9	1.6	1.9	2.5	1.7	1.6	1.8	2.3	2.2	2.6	+0.4

FIGURE 47
Trends in OxyContin Use by Region (1-10 yrs. Past High School)

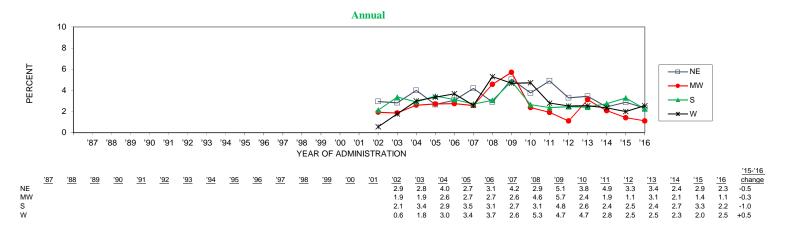


FIGURE 48
Trends in Annual OxyContin Use by Urbanicity (4 yr. Age Groups)

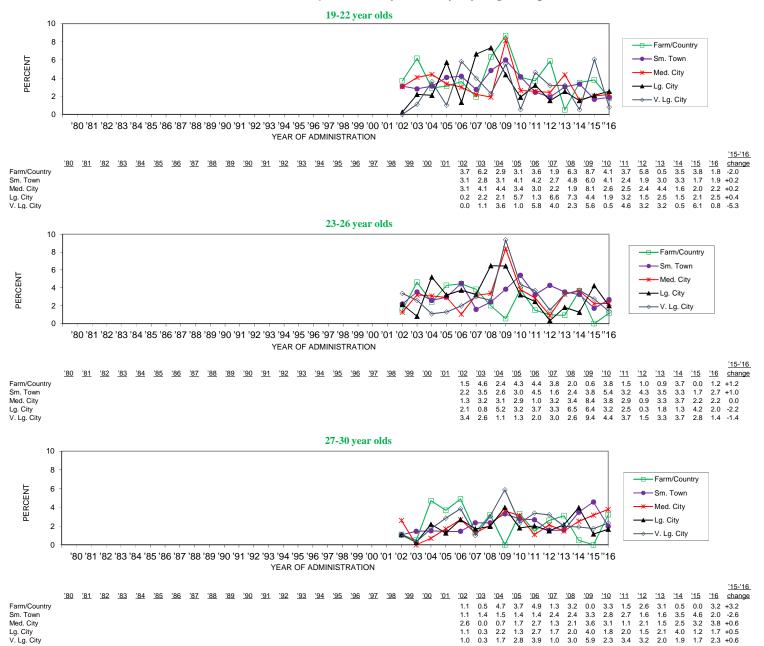


FIGURE 49

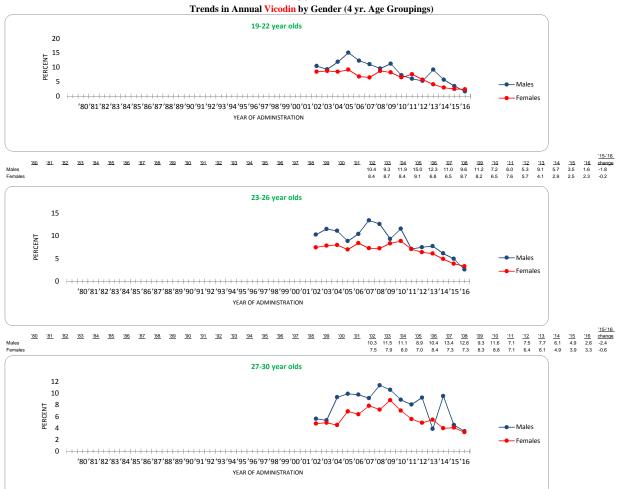


FIGURE 50
Trends in Vicodin Use by Region (1-10 yrs. Past High School)

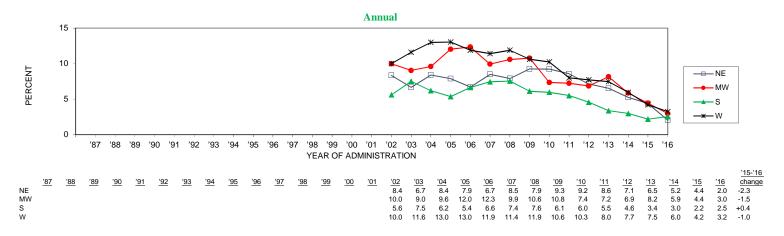


FIGURE 51
Trends in Annual Vicodin Use by Urbanicity (4 yr. Age Groups)

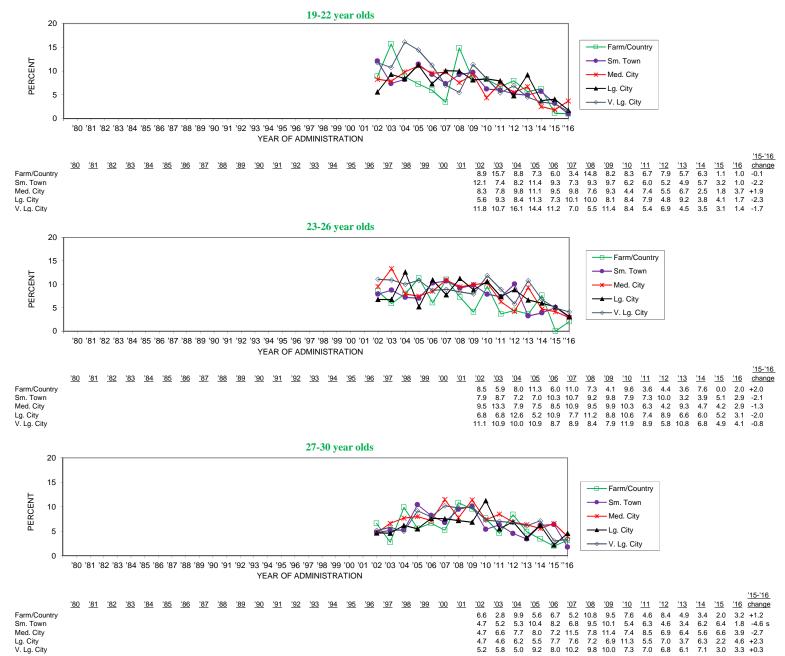


FIGURE 52 Trends in Annual Amphetamine Use by Gender (4 yr. Age Groupings)

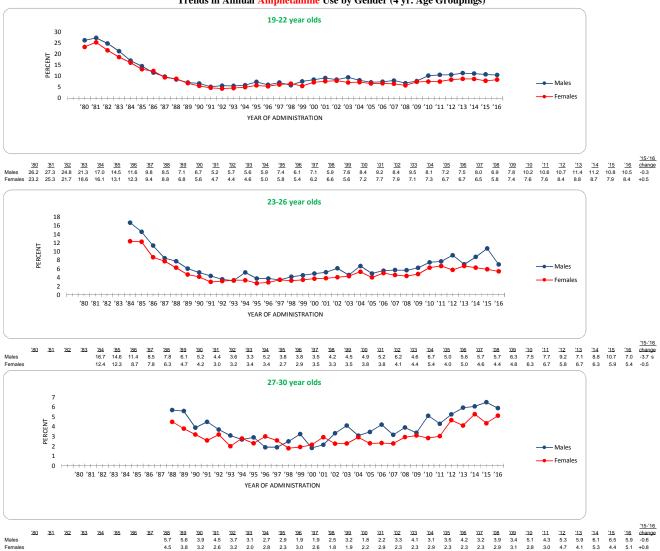


FIGURE 53
Trends in Amphetamine Use by Region (1-10 yrs. Past High School)

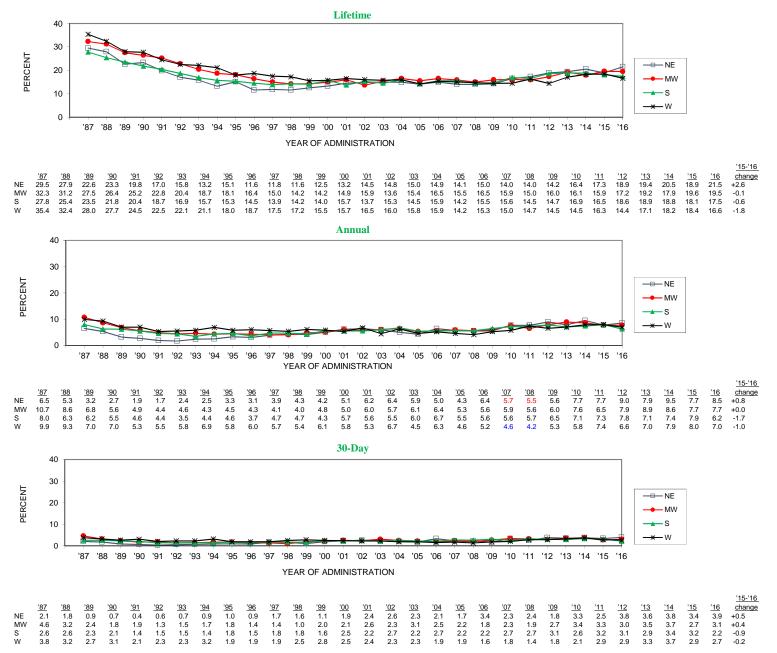


FIGURE 54
Trends in Annual Amphetamine Use by Urbanicity (4 yr. Age Groups)

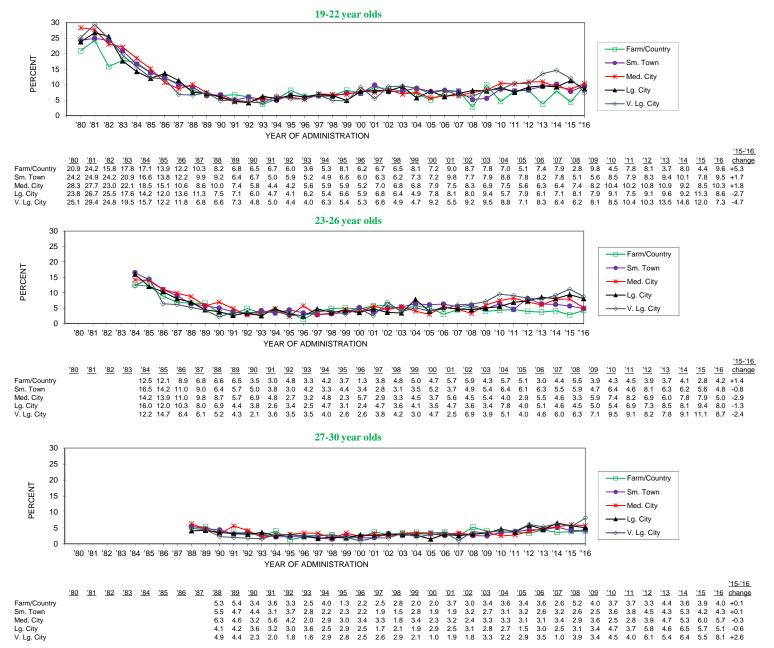


FIGURE 55

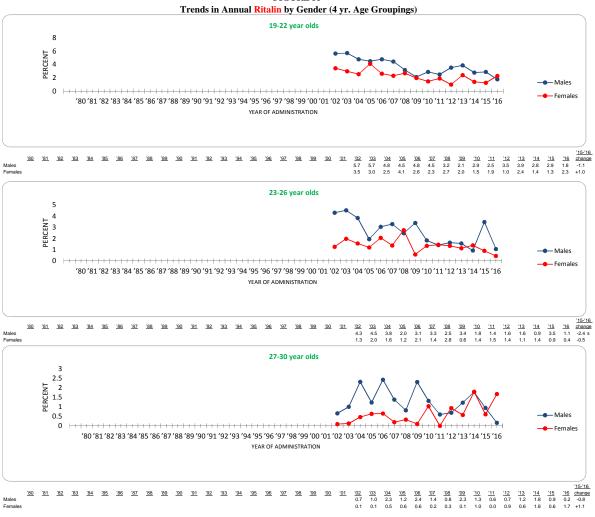


FIGURE 56
Trends in Ritalin Use by Region (1-10 yrs. Past High School)

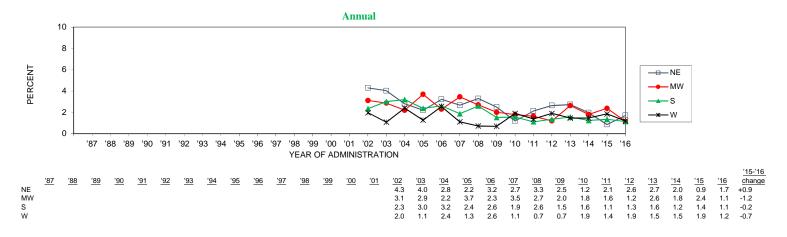
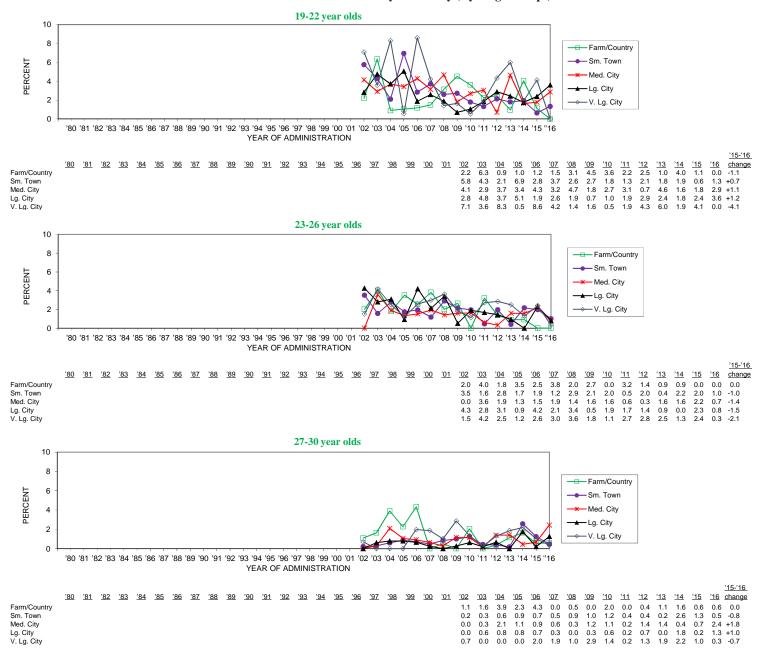


FIGURE 57
Trends in Annual Ritalin Use by Urbanicity (4 yr. Age Groups)



## FIGURE 58

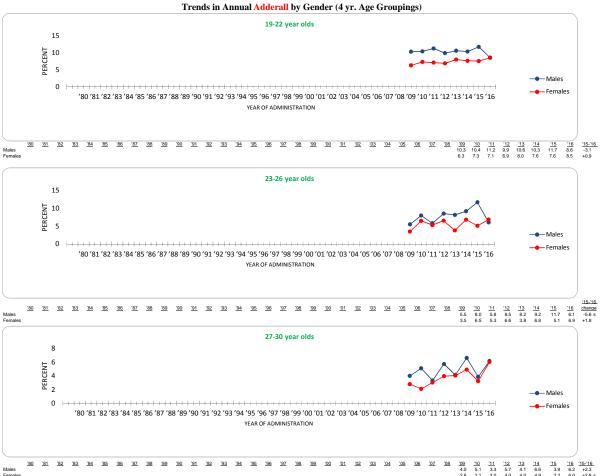


FIGURE 59

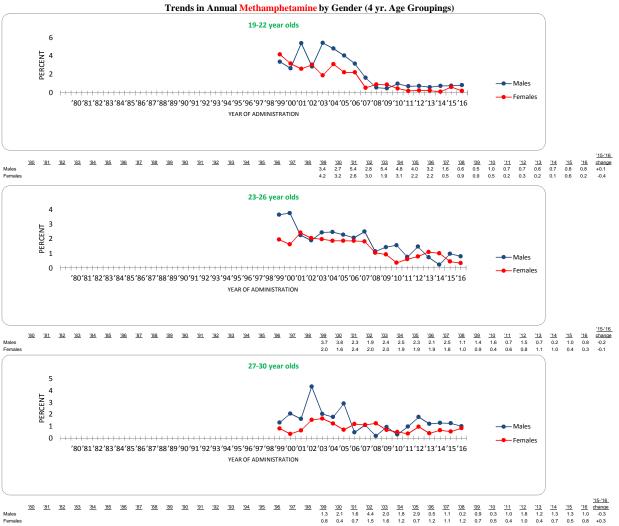


FIGURE 60
Trends in Methamphetamine Use by Region (1-10 yrs. Past High School)

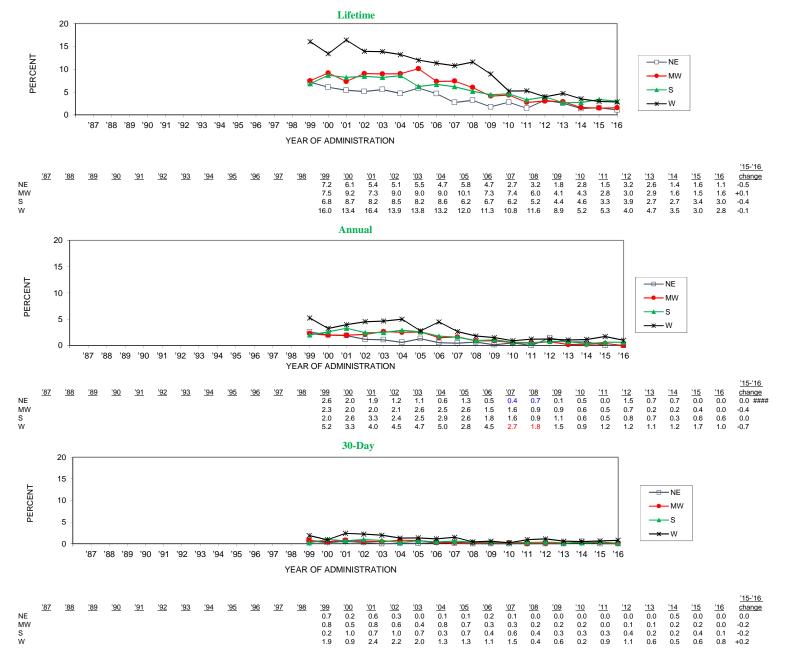


FIGURE 61
Trends in Annual Methamphetamine Use by Urbanicity (4 yr. Age Groups)

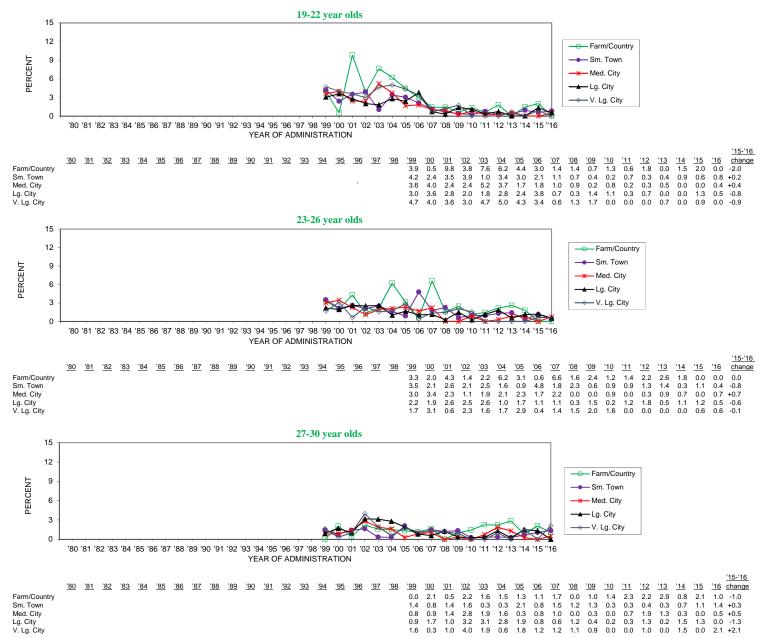
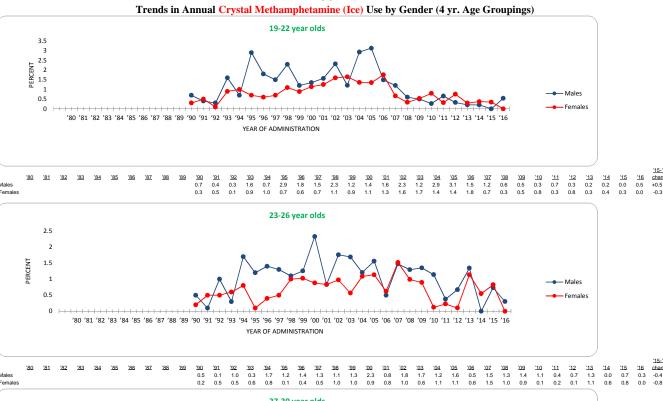
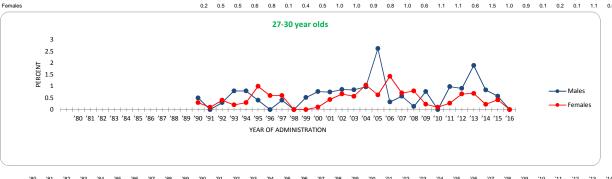


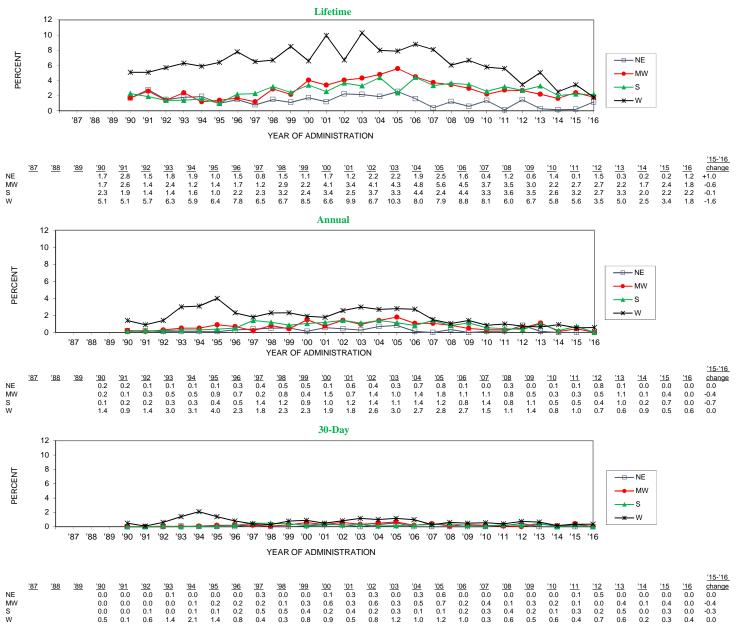
FIGURE 62





'11 '12 1.0 0.9 0.3 0.7 <u>'80 '81 '82 '83 '84 '85 '86 '87 '88 '89</u> <u>'03</u> 0.8 0.6 <u>'04</u> 1.0 1.0 0.1 0.8 <u>'09</u> 0.8 0.2 <u>'10</u> 0.0 0.1 '<u>92</u> '<u>93</u> 0.3 0.8 0.4 0.2 <u>'94</u> 0.8 0.3 <u>'95</u> <u>'96</u> <u>'97</u> 0.4 *0.0* 0.4 1.0 0.6 0.6 <u>'98</u> 0.0 0.0 <u>'99</u> 0.5 0.0 0.8 0.1 <u>'01</u> 0.8 0.4 0.9 0.7 Males Females

FIGURE 63
Trends in Crystal Meth (Ice) Use by Region (1-10 yrs. Past High School)



Note: Zeros in italics indicate a prevalence rate of less than 0.05%, but greater than true zero.

FIGURE 64
Trends in Annual Crystal Meth (Ice) Use by Urbanicity (4 yr. Age Groups)

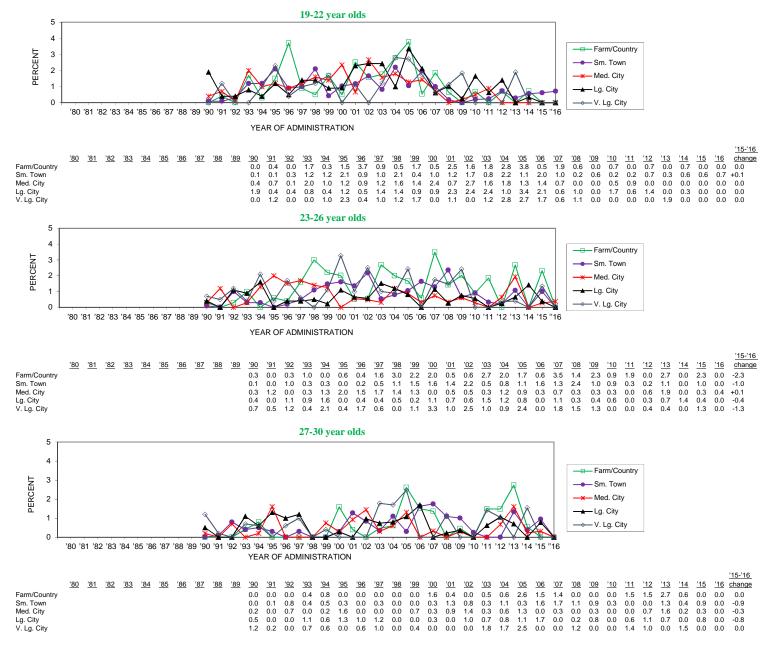


FIGURE 65
Trends in Annual Use of Bath Salts (Synthetic Stimulants) by Gender (4 yr. Age Groupings)

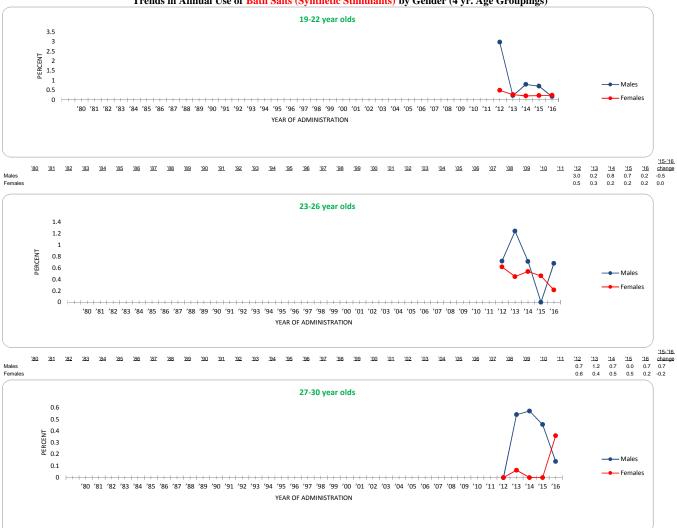


FIGURE 66
Trends in Use of Bath Salts (Synthetic Stimulants) by Region (1-10 yrs. Past High School)

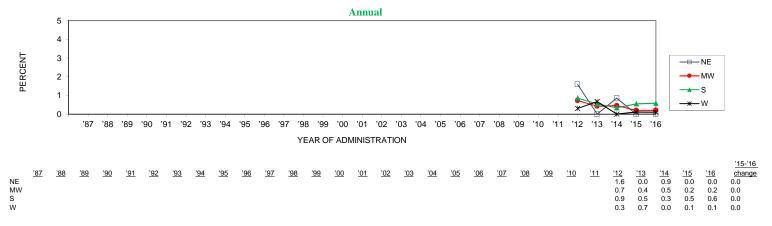


FIGURE 67
Trends in Annual Bath Salts (Synthetic Stimulants) Use by Urbanicity (4 yr. Age Groups)

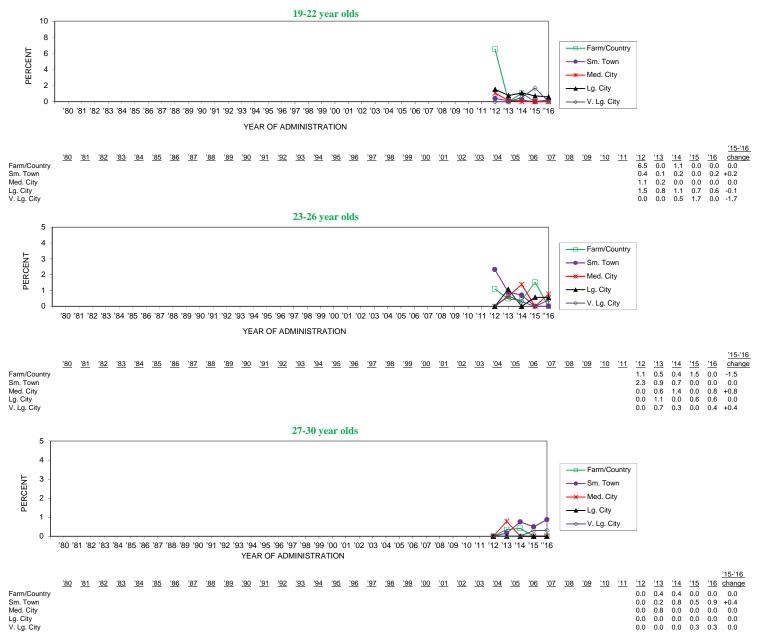
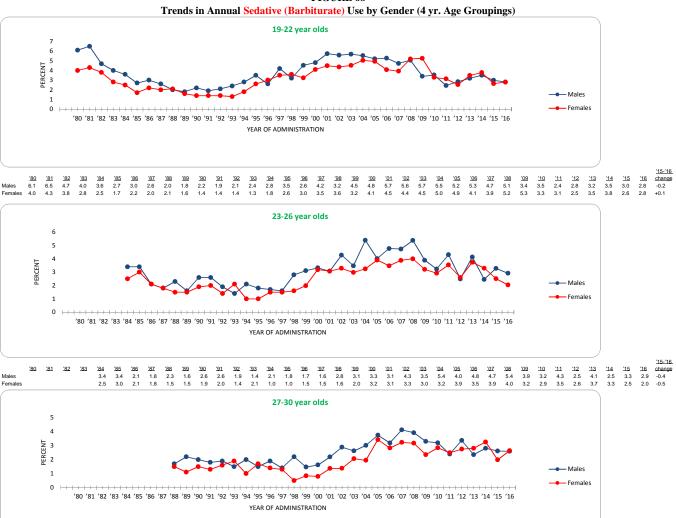


FIGURE 68



																																						'15-'16
	'80	'81	'82	'83	'84	'85	'86	'87	'88	'89	'90	'91	'92	'93	'94	'95	'96	'97	'98	'99	'00	'01	'02	'03	'04	'05	'06	'07	'08	'09	'10	'11	'12	'13	'14	'15	'16	change
Males									1.7	2.2	2.0	1.8	1.9	1.5	2.0	1.5	1.9	1.4	2.2	1.5	1.6	2.2	2.9	2.6	3.0	3.7	3.2	4.1	3.9	3.3	3.2	2.4	3.4	2.4	2.8	2.6	2.6	0.0
Females									1.5	1.1	1.5	13	16	10	1.0	17	1.4	12	0.5	0.8	0.8	1.4	1.4	2.1	2.0	3.4	2.8	22	22	2.4	20	2.5	28	28	22	2.0	2.6	+0.7

FIGURE 69
Trends in Sedative (Barbiturate) Use by Region (1-10 yrs. Past High School)

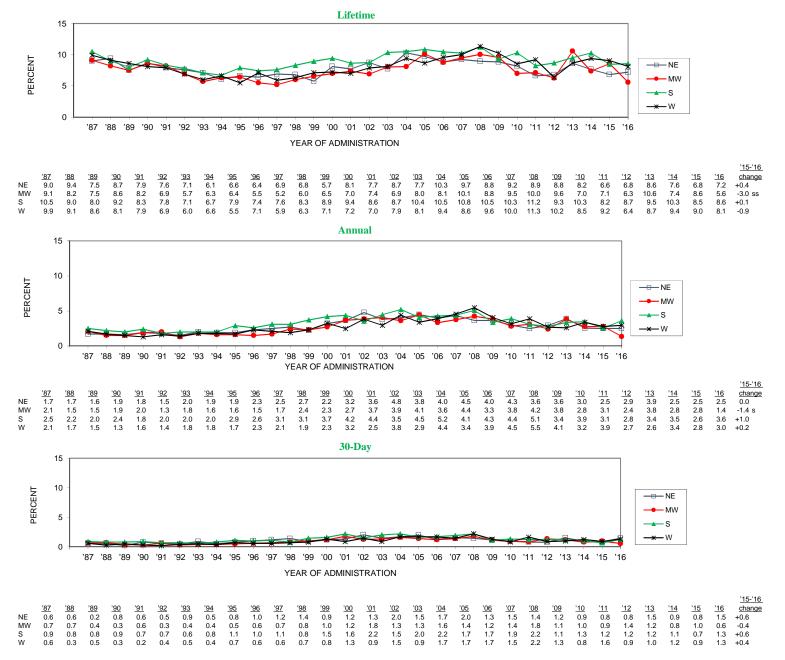


FIGURE 70
Trends in Annual Sedative (Barbiturate) Use by Urbanicity (4 yr. Age Groups)

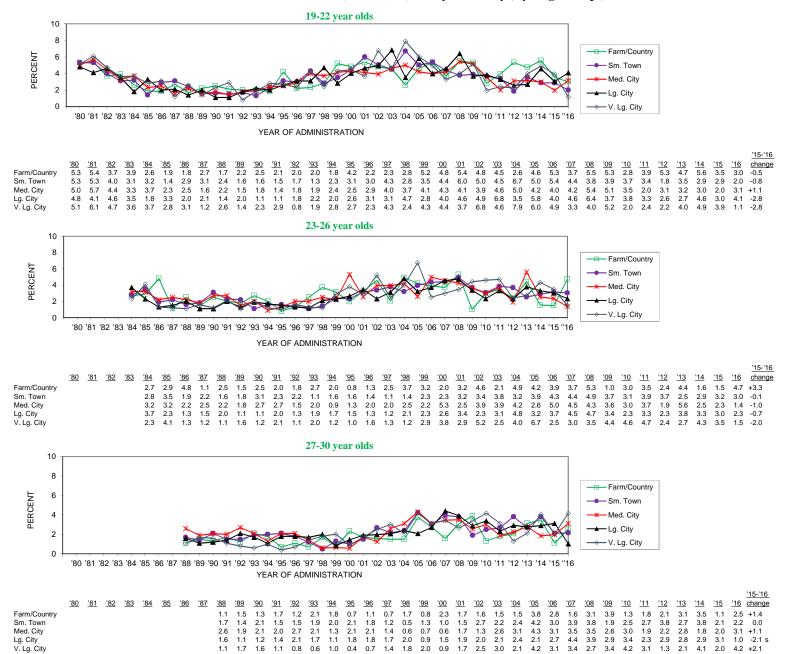
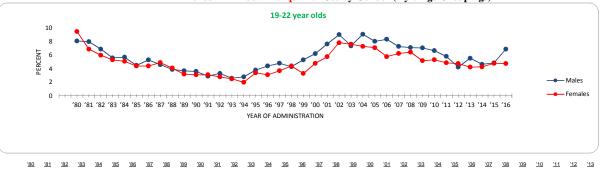
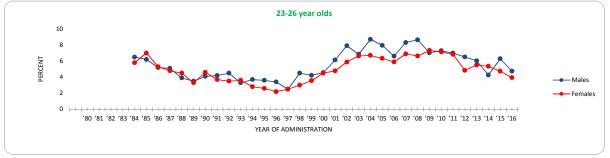


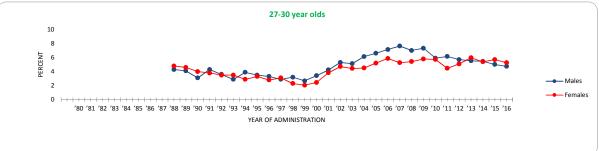
FIGURE 71
Trends in Annual Tranquilizer Use by Gender (4 yr. Age Groupings)







																																						15-16
	'80	'81	'82	'83	'84	'85	'86	'87	'88	'89	'90	'91	'92	'93	'94	'95	'96	'97	'98	'99	'00	'01	'02	'03	'04	'05	'06	'07	'08	'09	'10	'11	'12	'13	'14	'15	'16	change
Males					6.5	6.2	5.2	5.1	3.9	3.5	4.1	4.2	4.5	3.3	3.7	3.6	3.4	2.5	4.5	4.2	4.6	6.1	7.9	6.9	8.7	8.0	6.6	8.3	8.7	7.0	7.3	7.0	6.5	6.0	4.3	6.3	4.7	-1.6
Females					5.8	7.0	5.3	4.8	4.5	3.3	4.6	3.7	3.5	3.6	2.8	2.6	2.2	2.5	3.0	3.6	4.5	4.8	5.9	6.6	6.7	6.3	5.9	6.9	6.6	7.3	7.2	6.8	4.9	5.5	5.4	4.7	3.9	-0.8



																																						10 10	
	'80	'81	'82	'83	'84	'85	'86	'87	'88	'89	'90	'91	'92	'93	'94	'95	'96	'97	'98	'99	'00	'01	'02	'03	'04	'05	'06	'07	'08	'09	'10	'11	'12	'13	'14	'15	'16	change	
Males									4.3	4.1	3.1	4.3	3.6	2.9	3.9	3.5	3.3	2.9	3.2	2.7	3.4	4.2	5.3	5.1	6.2	6.6	7.2	7.7	7.0	7.3	5.9	6.2	5.7	5.5	5.5	5.0	4.8	-0.3	
Females									4.8	4.6	4.0	3.8	3.5	3.5	2.9	3.3	2.8	3.1	2.3	2.1	2.4	3.8	4.7	4.5	4.5	5.2	5.9	5.3	5.4	5.8	5.7	4.5	5.1	6.0	5.4	5.7	5.3	-0.4	

FIGURE 72
Trends in Tranquilizer Use by Region (1-10 yrs. Past High School)

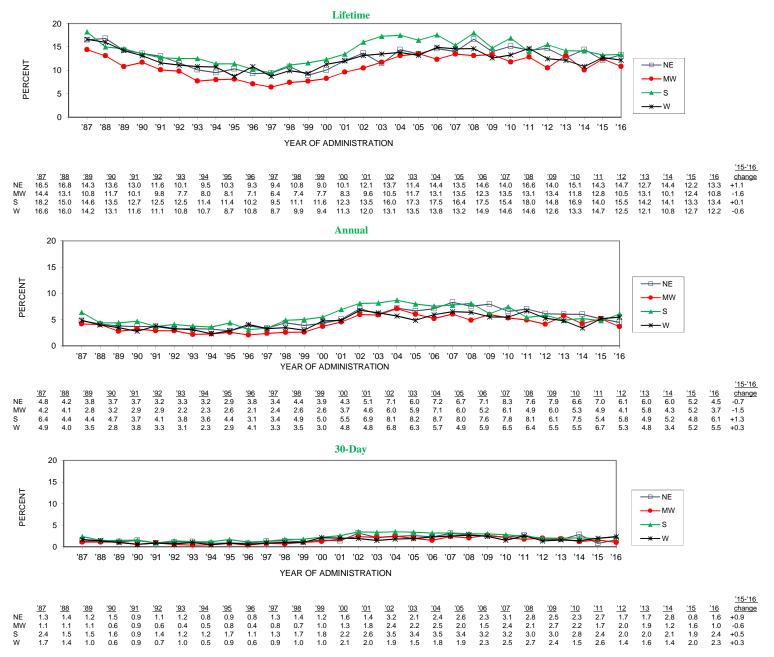


FIGURE 73
Trends in Annual Tranquilizer Use by Urbanicity (4 yr. Age Groups)

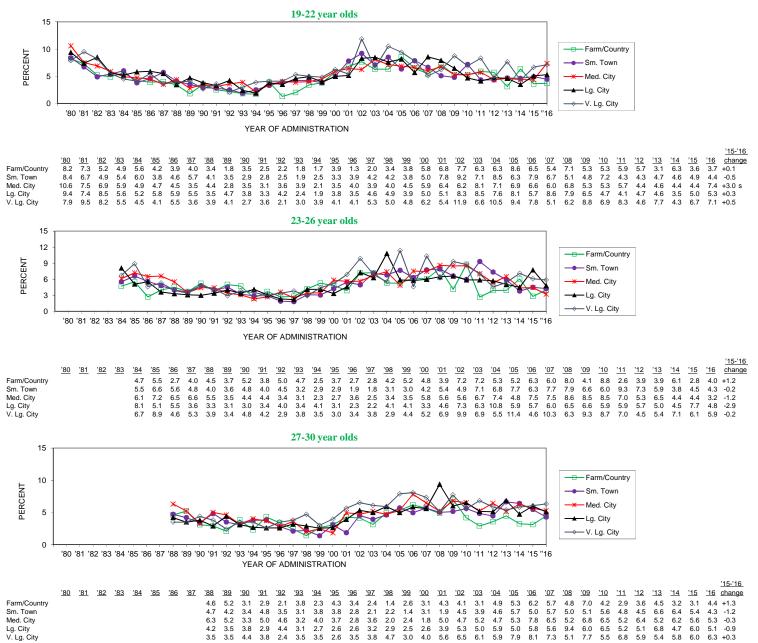
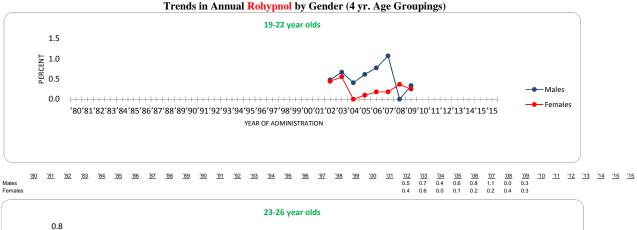
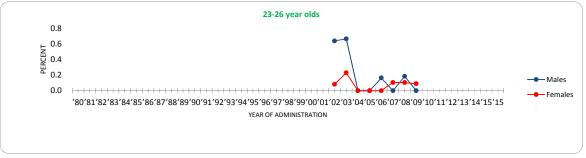


FIGURE 74
Trends in Annual Rohypnol by Gender (4 yr. Age Groupings)





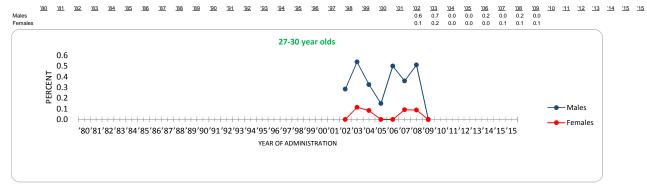


FIGURE 75
Trends in Rohypnol Use by Region (1-10 yrs. Past High School)

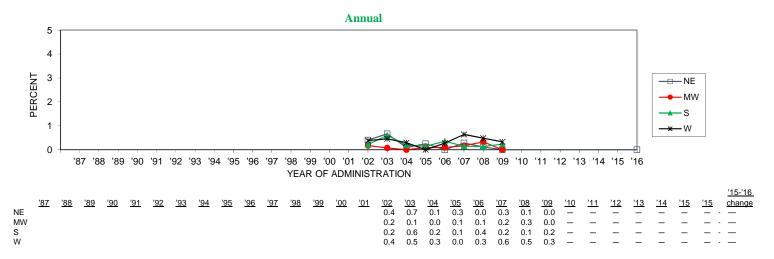


FIGURE 76
Trends in Annual GHB by Gender (4 yr. Age Groupings)

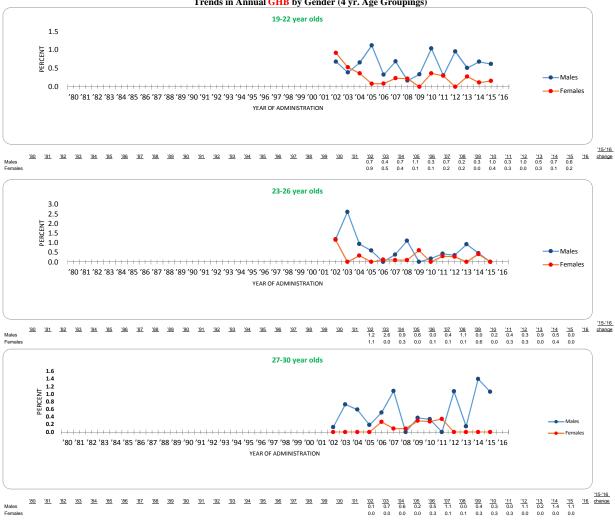


FIGURE 77
Trends in GHB Use by Region (1-10 yrs. Past High School)

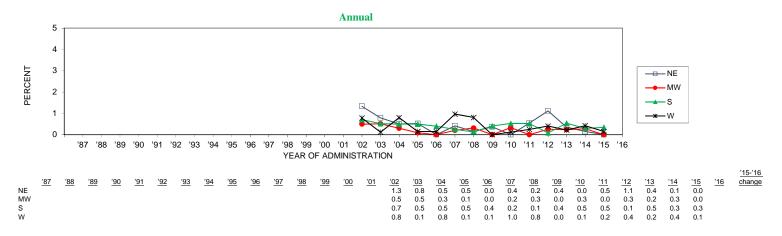


FIGURE 78
Trends in Annual GHB Use by Urbanicity (4 yr. Age Groups)

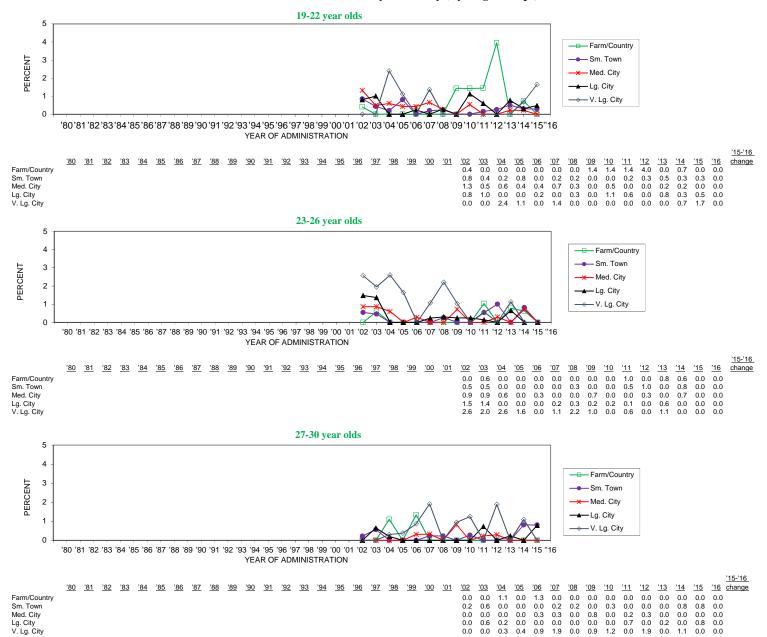


FIGURE 79

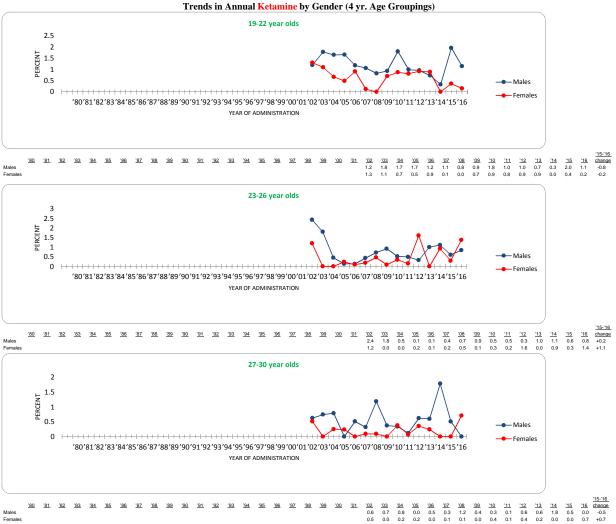


FIGURE 80
Trends in Ketamine Use by Region (1-10 yrs. Past High School)

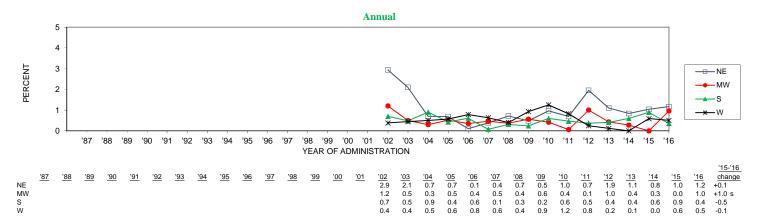


FIGURE 81
Trends in Annual Ketamine Use by Urbanicity (4 yr. Age Groups)

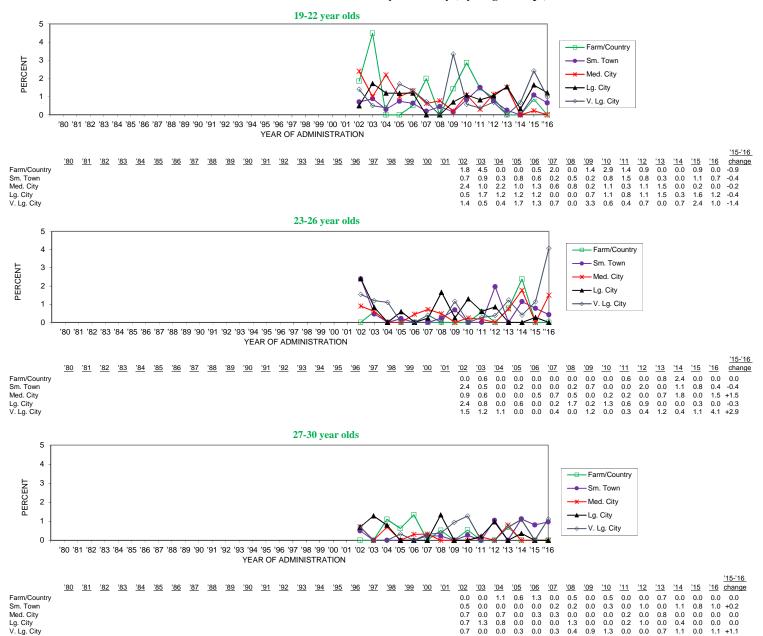


FIGURE 82
Trends in 30-Day Alcohol Use by Gender (4 yr. Age Groupings)

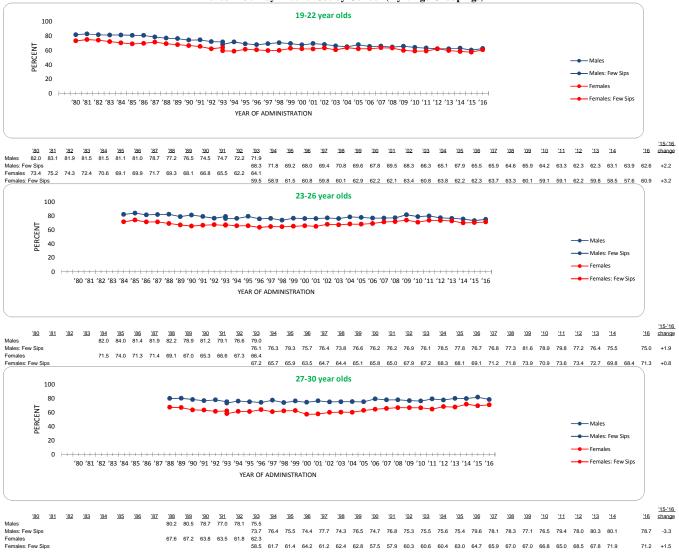


FIGURE 83
Trends in Daily Alcohol Use by Gender (4 yr. Age Groupings)

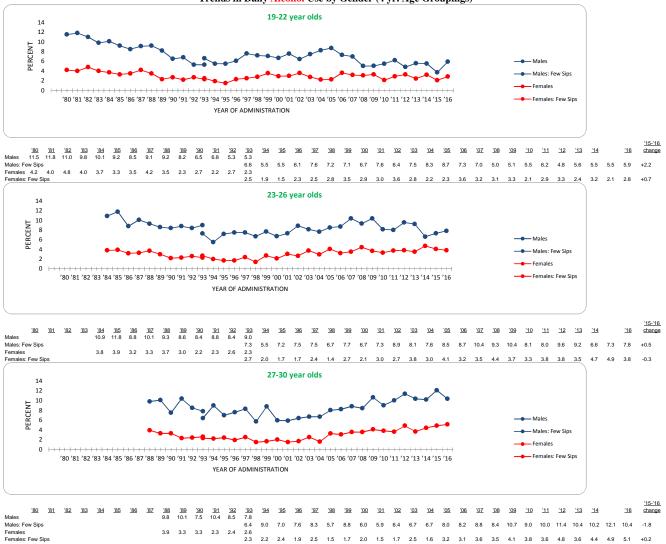
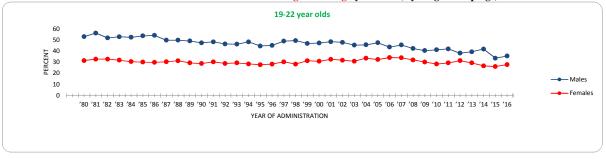
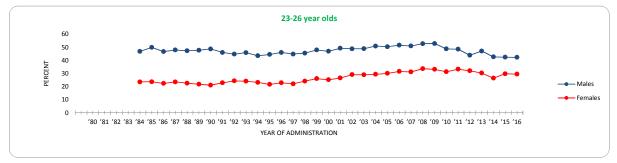
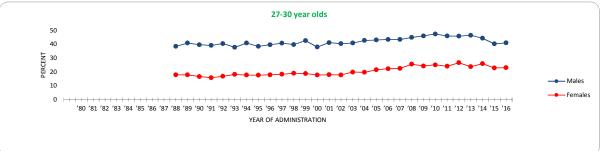


FIGURE 84
Trends in Two-Week Binge Drinking by Gender (4 yr. Age Groupings)



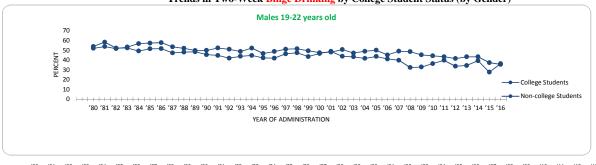


| Secondary | Seco



| Secondary | Seco

FIGURE 85
Trends in Two-Week Binge Drinking by College Student Status (by Gender)



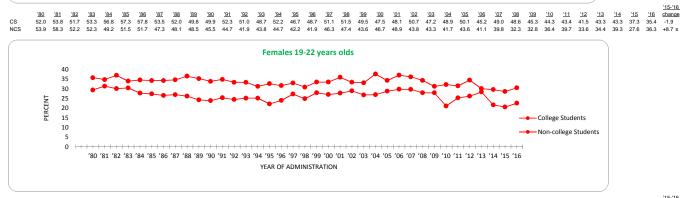


FIGURE 86
Trends in Alcohol Use by Region (1-10 yrs. Past High School)

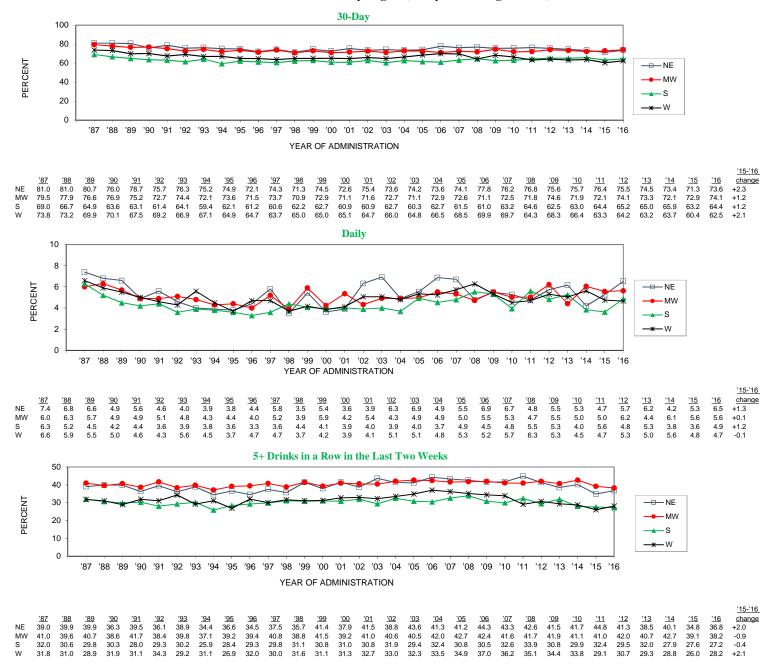
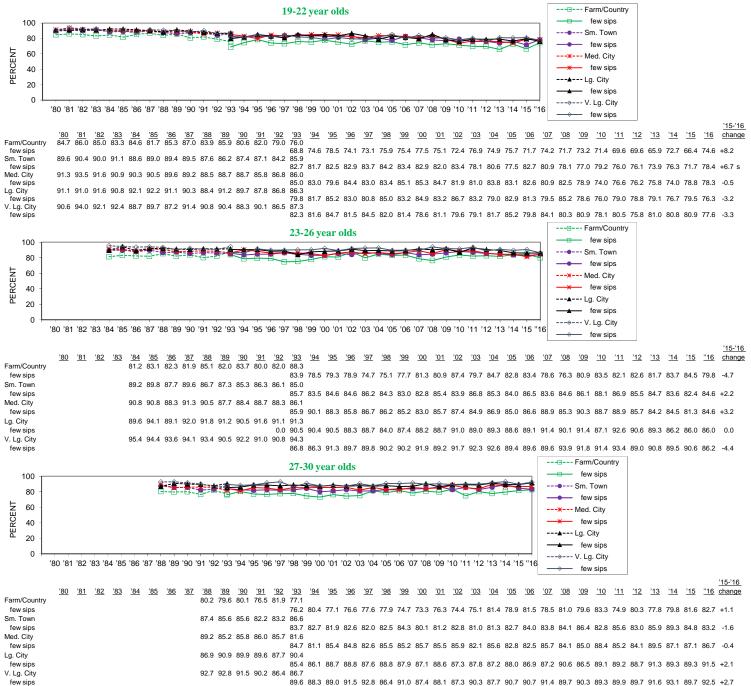


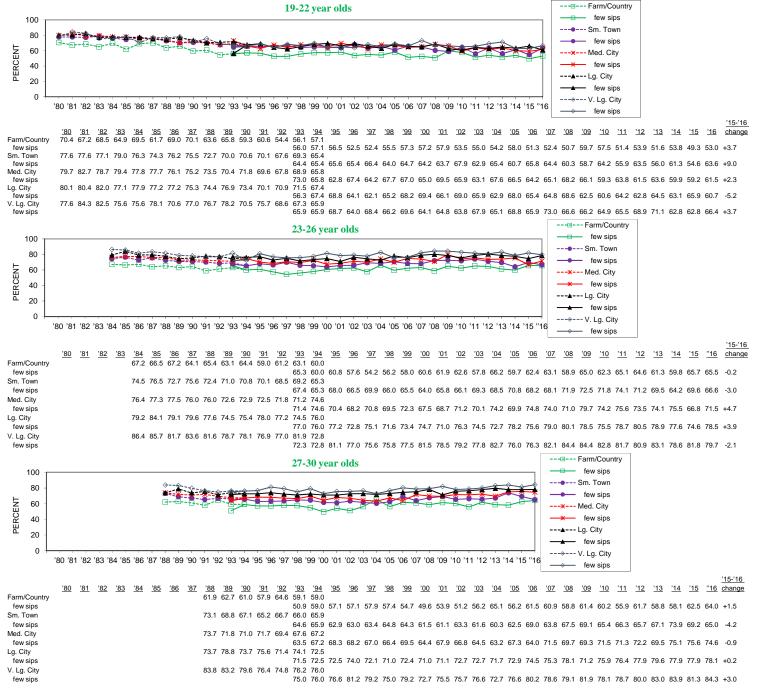
FIGURE 87
Trends in Annual Alcohol Use by Urbanicity (4 yr. Age Groups)



Note: The alcohol prevalence question was changed in 1993 in 3 of the forms and in 1994 in all 6 forms in order to exclude consumption of less than a "few sips." Ns in 1993 are one half the usual for both prevalences

FIGURE 88

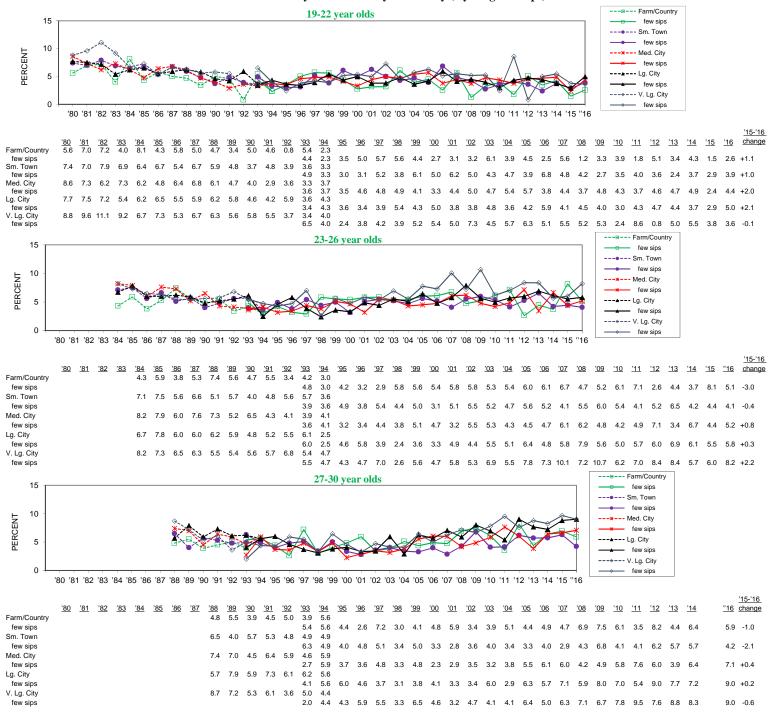
#### Trends in Thirty-Day Alcohol Use by Urbanicity (4 yr. Age Groups)



Note: The alcohol prevalence question was changed in 1993 in 3 of the forms and in 1994 in all 6 forms in order to exclude consumption of less than a "few sips." Ns in 1993 are one half the usual for both prevalences.

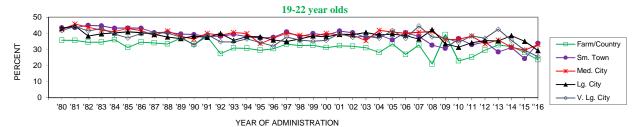
FIGURE 89

### Trends in Daily Alcohol Use by Urbanicity (4 yr. Age Groups)



Note: The alcohol prevalence question was changed in 1993 in 3 of the forms and in 1994 in all 6 forms in order to exclude consumption of less than a "few sips." Ws in 1993 are one half the usual for both prevalences.

## FIGURE 90 Trends in Binge Drinking by Urbanicity (4 yr. Age Groups)



Farm/Country Sm. Town Med. City Lg. City V. Lg. City

| 18-1 | 18-2 | 18-3 | 18-4 | 18-3 | 18-3 | 18-4 | 18-3 | 18-4 | 18-3 | 18-4 | 18-3 | 18-4 | 18-3 | 18-4 | 18-3 | 18-4 | 18-3 | 18-4 | 18-3 | 18-3 | 18-4 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 | 18-3 |

'15-'16

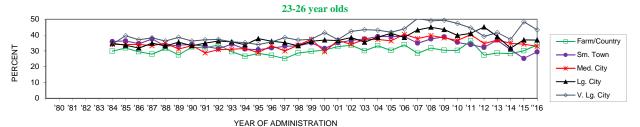
'15-'16

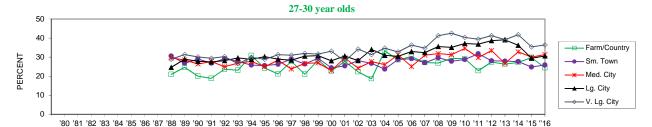
change

+3.7

+4.2

0.0

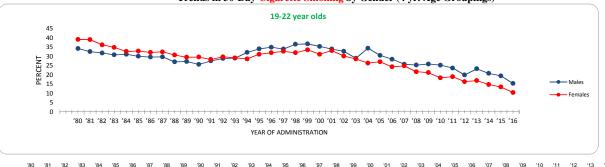




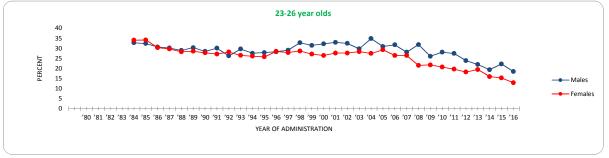
YEAR OF ADMINISTRATION

Farm/Country Sm. Town Med. City Lg. City V. Lg. City | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-1

FIGURE 91
Trends in 30-Day Cigarette Smoking by Gender (4 yr. Age Groupings)



| Secondary Control | Seco



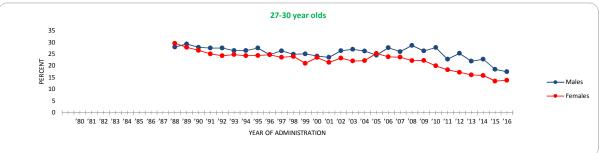
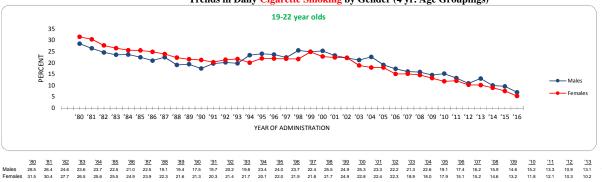
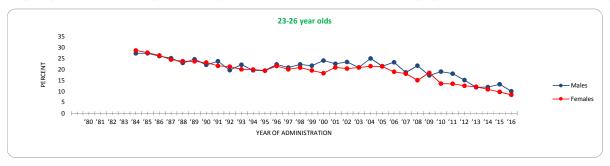


FIGURE 92
Trends in Daily Cigarette Smoking by Gender (4 yr. Age Groupings)







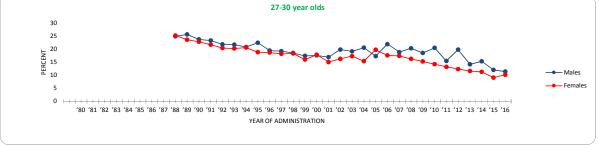
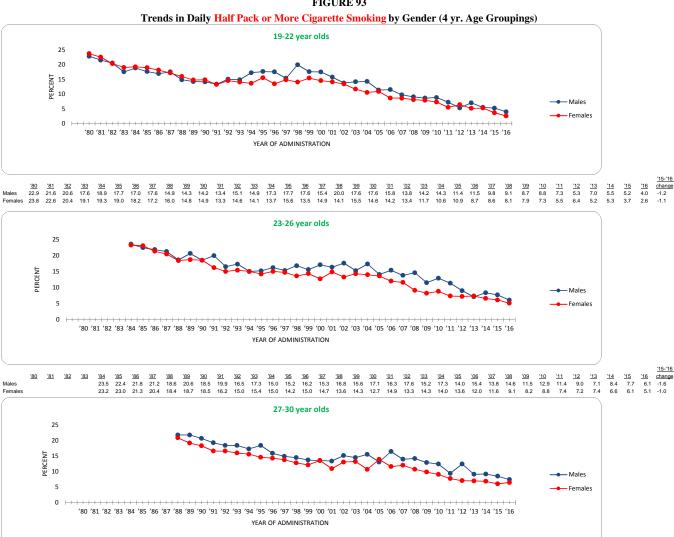


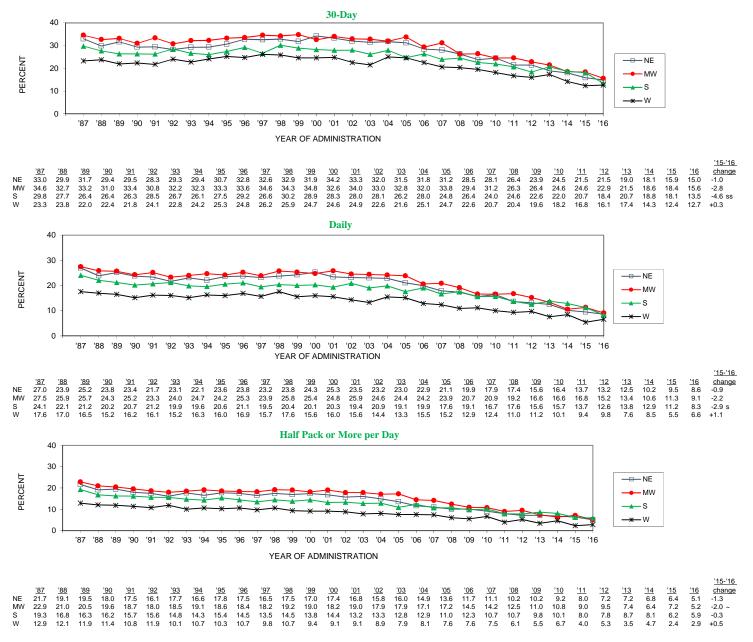
FIGURE 93



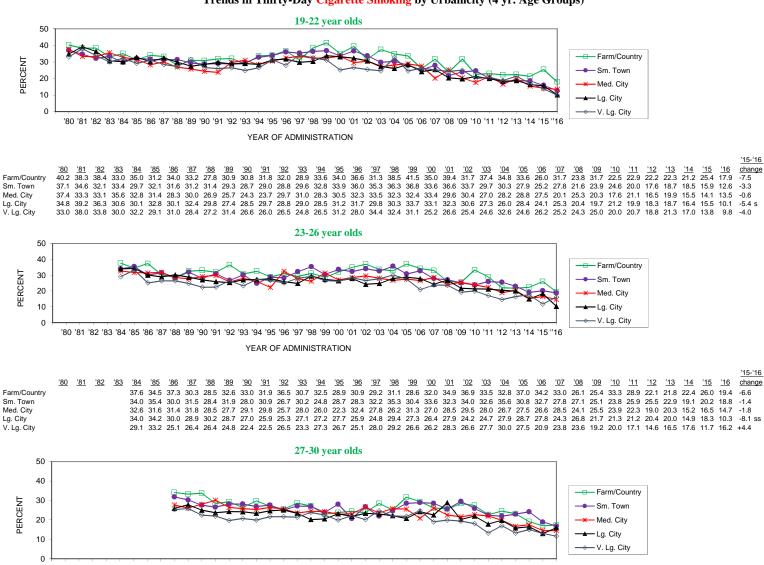
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Males Females

FIGURE 94
Trends in Cigarette Smoking by Region (1-10 yrs. Past High School)



### FIGURE 95 Trends in Thirty-Day Cigarette Smoking by Urbanicity (4 yr. Age Groups)



	50 ]		
	40 -		
_	20		—⊟— Farm/Country
Ä	30 -		→ Sm. Town
ERCE	20		——— Med. City
Ш			
	10 -	i v v * · · · · · · · · · · · · · · · · ·	—▲— Lg. City
			→ V. Lg. City
	0 +		
		'80 '81 '82 '83 '84 '85 '86 '87 '88 '89 '90 '91 '92 '93 '94 '95 '96 '97 '98 '99 '00 '01 '02 '03 '04 '05 '06 '07 '08 '09 '10 '11 '12 '13 '14 '15 "16	
		YEAR OF ADMINISTRATION	

'88 '89 '90 '91 '92 '93 '94 '95 '96 '97 '98 '99 '00 '01 '02 '03 '04 '05 '06 '07 '08 '09 '10 '11 '16 change '80 '81 '82 '83 '84 '85 '86 '87 '12 '13 34.1 33.3 33.8 28.5 29.3 26.4 29.8 27.1 25.5 28.7 27.2 23.0 23.8 24.4 23.8 28.5 25.1 31.7 29.4 26.2 25.6 28.4 27.5 22.7 24.6 23.2 19.1 17.0 17.4 +0.3 Farm/Country Sm. Town Med. City 31.8 30.3 27.6 26.6 28.2 28.2 26.9 27.6 25.1 27.1 27.0 23.9 28.1 20.8 26.7 27.8 26.1 28.0 30.2 26.4 25.9 25.4 26.4 25.6 23.6 24.5 24.3 22.9 23.2 26.6 23.7 25.8 25.6 20.9 26.1 22.5 21.6 22.7 22.0 19.8 16.7 17.5 14.5 14.5 0.0 25.9 27.8 25.0 23.7 24.3 24.2 23.4 24.7 25.1 23.4 20.2 20.5 23.2 21.9 23.4 23.0 22.2 20.8 24.2 22.6 28.9 20.2 22.0 17.9 19.8 15.9 16.5 13.0 16.0 +3.0 Lg. City V. Lg. City 25.3 25.9 22.5 22.0 19.7 20.8 19.9 21.7 21.7 21.4 23.9 22.5 19.9 22.2 20.2 24.7 22.1 21.8 24.8 19.0 19.9 19.4 18.1 13.2 17.0 13.3 15.0 13.0 11.7

# FIGURE 96 Trends in Daily Cigarette Smoking by Urbanicity (4 yr. Age Groups)

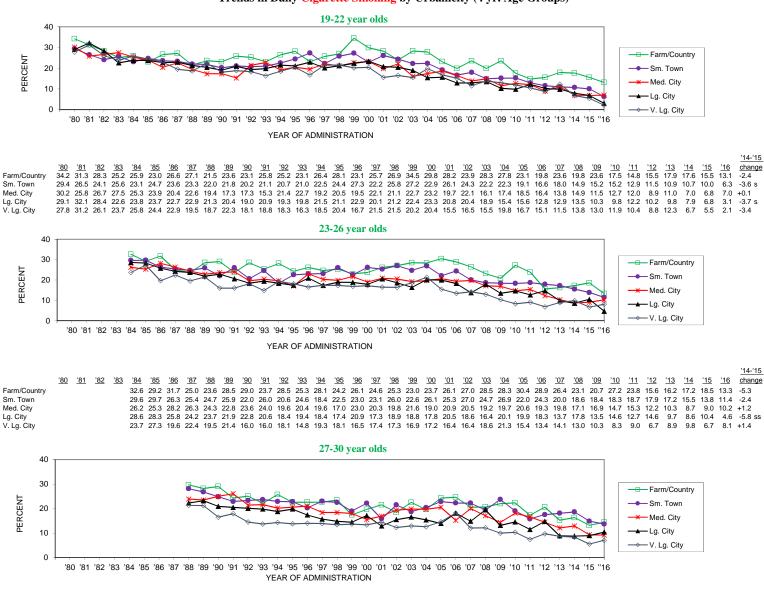


FIGURE 97
Trends in Half Pack or More Daily Cigarette Smoking by Urbanicity (4 yr. Age Groups)

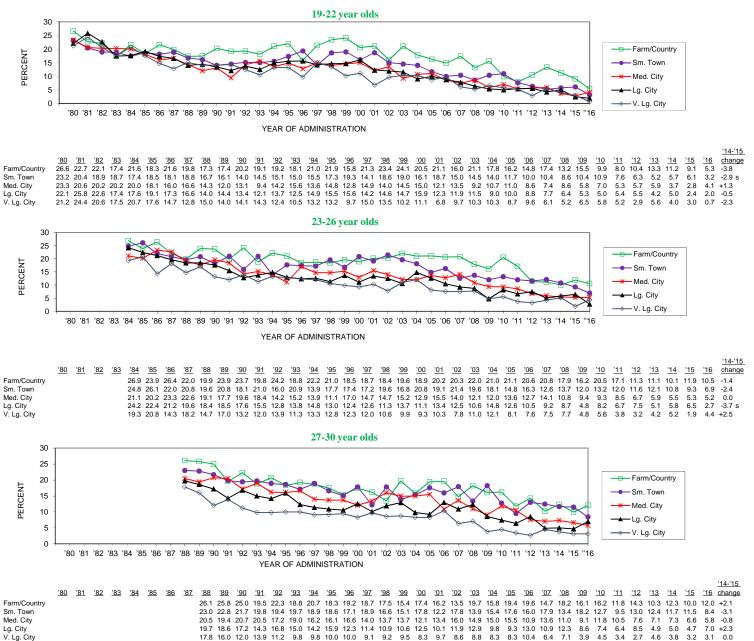
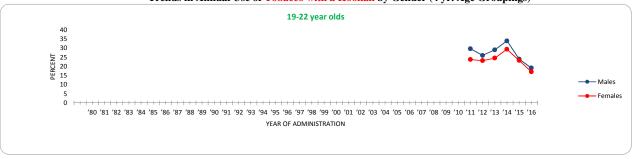
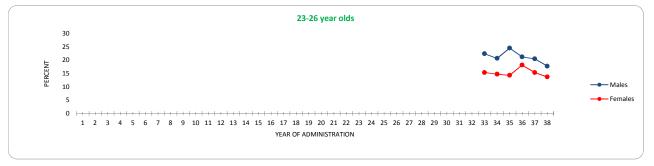


FIGURE 98

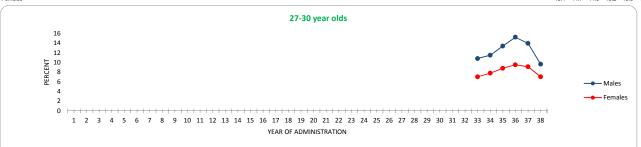




| 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-16 | | 15-1



| Secondary | Seco



15-16

| 180 | 181 | 182 | 183 | 184 | 185 | 186 | 187 | 188 | 189 | 190 | 191 | 192 | 193 | 194 | 195 | 196 | 197 | 198 | 199 | 190 | 191 | 192 | 193 | 194 | 195 | 196 | 197 | 198 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199 | 199

FIGURE 99
Trends in Use of Tobacco Using a Hookah by Region (1-10 yrs. Past High School)

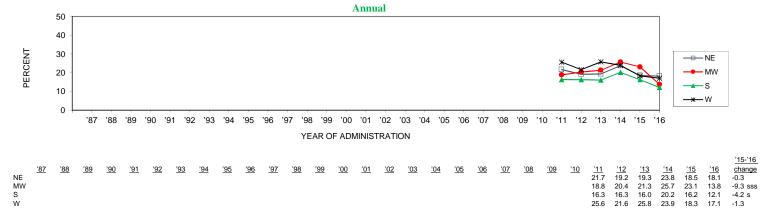


FIGURE 100
Trends in Annual Use of Tobacco with a Hookah by Urbanicity (4 yr. Age Groups)

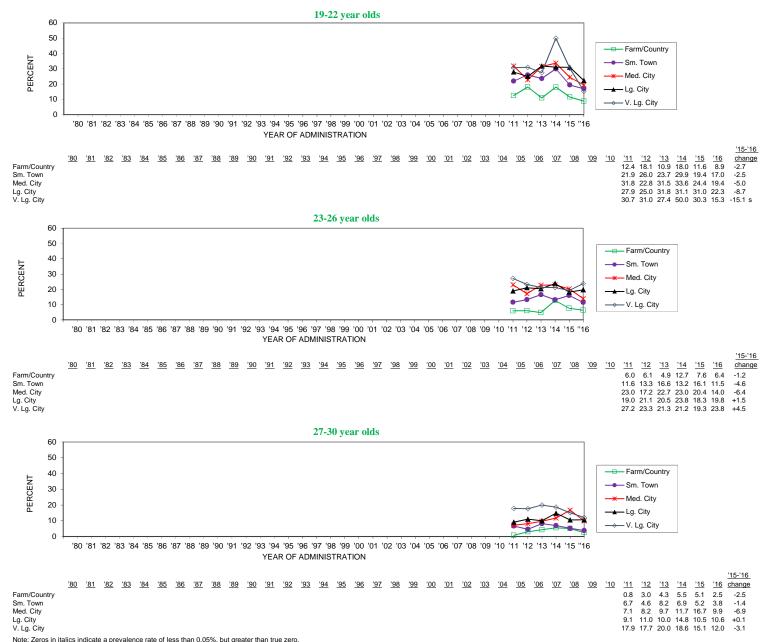
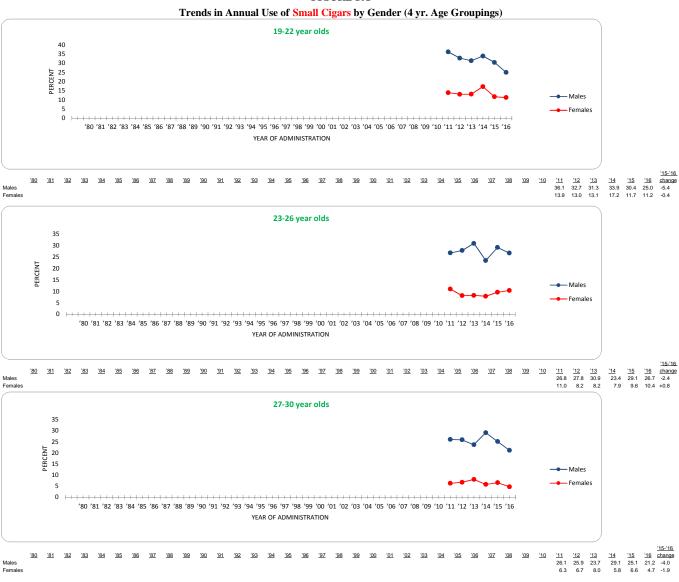


FIGURE 101



Males Females

FIGURE 102
Trends in Use of Small Cigars by Region (1-10 yrs. Past High School)

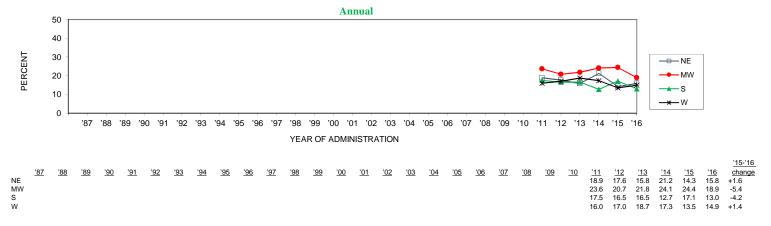


FIGURE 103
Trends in Annual Use of Small Cigars by Urbanicity (4 yr. Age Groups)

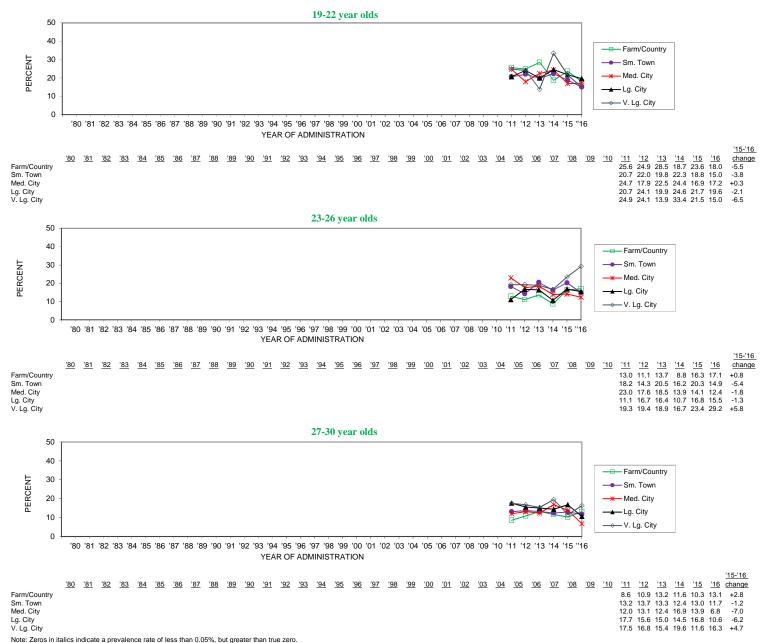


FIGURE 104

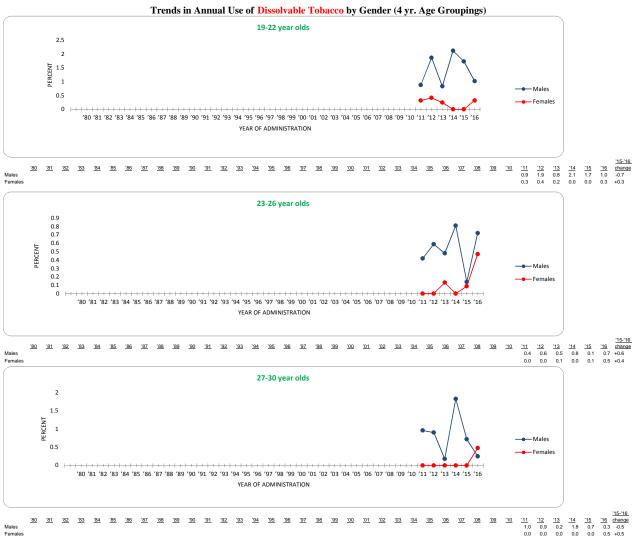


FIGURE 105
Trends in Use of Dissolvable Tobacco by Region (1-10 yrs. Past High School)

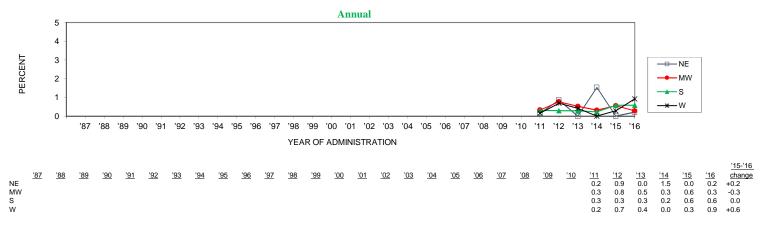


FIGURE 106
Trends in Annual Use of Dissolvable Tobacco by Urbanicity (4 yr. Age Groups)

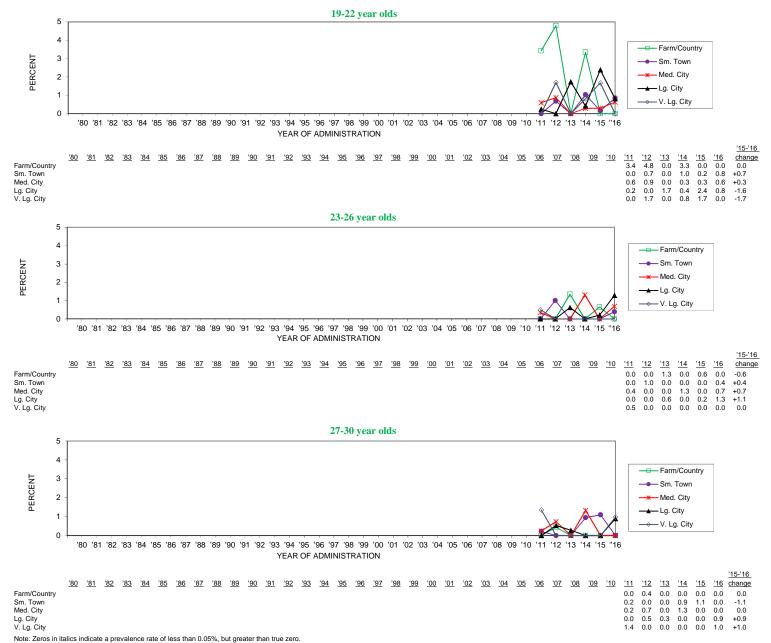
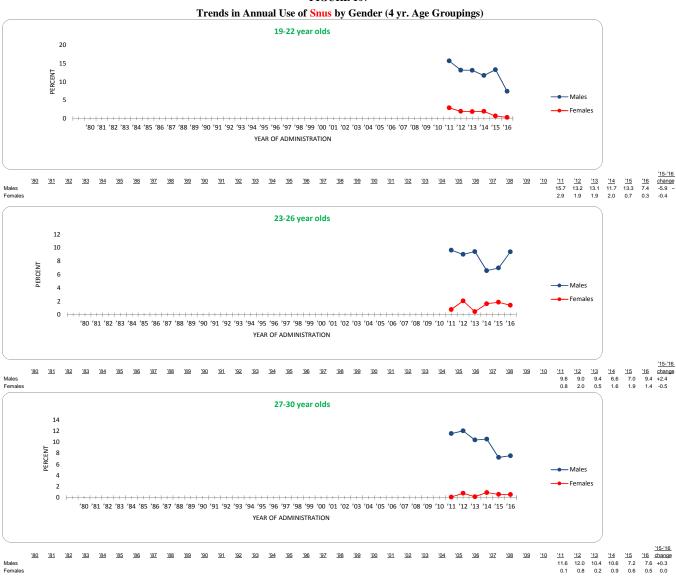


FIGURE 107



Males Females

FIGURE 108
Trends in Use of Snus by Region (1-10 yrs. Past High School)

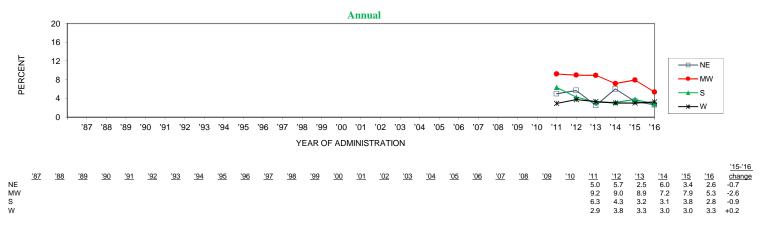


FIGURE 109
Trends in Annual Use of Snus by Urbanicity (4 yr. Age Groups)

